DRAFT 2005
OPERATIONS, MAINTENANCE & MONITORING ANNUAL REPORT

DEL AMO WASTE PITS
LOS ANGELES, CALIFORNIA

PREPARED FOR:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PREPARED ON BEHALF OF:

THE DEL AMO RESPONDENTS

PREPARED BY:

C2REM
An Environmental Management & Development Company

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C2 REM STANDARD
ACRONYMS AND ABBREVIATIONS

AO	Administrative Order
CAL EPA	California Environmental Protection Agency
Cap Gas System	Cap Gas Collection and Treatment System
COCs	Constituents of Concern
CRP	Carbon Replacement Protocol
DHS	Department of Health Services
DTSC	Department of Toxic Substances Control Board
FPTP	Field Pilot Test Program
GCTS	Gas Collection Treatment System
IBT	In Situ Bioventing Technology
LADWP	Los Angeles Department of Water and Power
OM&M	Operations, Maintenance & Monitoring
PID	Photo Ionization Detector
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
RD Addendum	Remedial Design Workplan Addendum – In Situ Bioventing Technology Assessment
ROD	Record of Decision
SCAQMD	South Coast Air Quality Management District
SVE	Soil Vapor Extraction
SVE/IBT	Soil Vapor Extraction/ Insitu Biodegradation Technology
USACOE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds

1.0 INTRODUCTION

This Annual Report (Report) has been prepared by C2 REM on behalf of the Del Amo Respondents to summarize the Operations, Maintenance and Monitoring (OM&M) activities conducted at the Del Amo Waste Pits Operable Unit (Waste Pits) site, pursuant to requirements in the *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit, Torrance, California,* United States Environmental Protection Agency (USEPA), May 3, 1999 (USEPA, 1999) and the *Operation, Maintenance and Monitoring Manual for the Del Amo Waste Pits Operable Unit, Torrance, California,* Parsons Engineering Science, March 12, 1999 (OM&M Manual). This Report provides a summation of the OM&M activities conducted at the Waste Pits during the sixth year of operation (January 2005 – December 2005).

This Report includes discussions on: 1) inspections (pursuant to both quarterly requirements and post rain events) of the cover system, drainage systems, Cap Gas Collection and Treatment System (Cap Gas System), the Soil Vapor Extraction (SVE) system and general physical site characteristics; 2) monument survey results; 3) assessments of field-observed benzene concentrations within the Cap Gas System; 4) quarterly perimeter well monitoring; 5) SVE treatment system evaluation and monitoring; and 6) summaries of maintenance and repairs.

The remainder of this Report is outlined in the following sections:

2.0 SITE HISTORY

The Waste Pits are located in Los Angeles County, California and include Lots 36 and 37 of the Los Angeles County Assessor's Map. The Waste Pits property is located between Vermont Avenue (to the east) and Normandie Avenue (to the west). The northern boundary of the property is a Los Angeles Department of Water and Power (LADWP) easement, and the southern boundary is Del Amo Boulevard (see Figure 1.0). One major petroleum and petrochemical pipeline corridor can be found within the property on the southern boundary of the Waste Pits property.

The Waste Pits include two adjoining parcels of land (Lots 36 and 37), which contain six small rectangular pits (2-series pits) and three large rectangular impoundments (1-series pits) (see Figure 2.0). Both the 1-series and the 2-series pits were used for the disposal of wastes and waste liquids during operation of a synthetic rubber manufacturing facility. The 2-series pits are located on the western side of Lot 36 and the 1-series pits, 1-B and 1-C, are located on the eastern side. Immediately east of Lot 36 is Lot 37, which contains a former large, rectangular impoundment, designated as Pit 1-A. Impacted soils from Pit 1-A were excavated in four phases from 1982 –1984 to a depth of 6 feet at the east side of the pit and to a depth of 25 feet at the west side. This excavation process was completed under the direction of the California Department of Health Services (DHS), with jurisdiction for the Waste Pits under California Environmental Protection Agency's (CAL EPA) Department of Toxic Substances Control (DTSC).

As outlined in the *Remedial Design Work Plan, Del Amo Pits Operable Unit*, *Torrance, California*, Dames and Moore, June 30, 1998 (Dames & Moore, 1998), the USEPA provided oversight for the construction and installation of the Phase I remedy including installation of the SVE wells (a component of the proposed Phase II remedy). The Phase I remedy consisted of a Resource Conservation and Recovery Act (RCRA) equivalent multi-layer cap, soil vapor monitoring probes, the Cap Gas System, security fences, deed restrictions, and surface and subsurface drainage features. The SVE probes and wells were installed previously and are inactive pending selection and implementation of a soil vapor treatment technology. At this writing, the USEPA has approved an adsorption

technology for treatment, which includes an enhanced biodegradation component. Installation plans for the Soil Vapor Extraction/Insitu Biodegradation Technology (SVE/IBT) system are scheduled for late January 2006.

3.0 INSPECTIONS

Inspections were conducted quarterly in accordance with the OM&M Manual (Section 4.0) on March 3, 2005, May 13, 2005, August 18, 2005, and November 10, 2005 for the cover system (RCRA-Equivalent Cap), the Cap Gas System, surface and subsurface water drainage systems, security fences, and access roads (see Appendix A for inspection forms). Additionally, the SVE well heads which are capped with blank tee flanges, were inspected and monitored for leaks utilizing a photo ionization detector (PID) calibrated to benzene. These wellhead inspection and monitoring activities were conducted quarterly in 2005 and will continue on this frequency until the startup of any SVE operations (see OM&M Manual, Section 6.2.1).

C2 REM conducted post rain inspection events on January 3, 2005, January 10, 2005, February 22, 2005, and October 17, 2005 to identify matters of concern or areas of needed repairs. Post rain inspection events were conducted following periods of "heavy rainfall", defined as every rainfall of 1" or greater within a 24-hour period. The inspection forms used during these inspections are presented in Appendix A.

3.1 SUMMARY OF COVER SYSTEM INSPECTION EVENTS

During the cover system inspection events, no unusual or significant settlement erosion, sediment build-up, slope instability, shifting, or vertical cracking was observed. Areas that exhibited slight evidence of burrowing animals or undesirable weeds were attended to during routine property maintenance. The results of the C2 REM cover system inspection events are presented in Table 1.0. In addition, the cover system is subject to annual monument elevation measurements to monitor and track historical ground movement and settlement. On January 10, 2005, C2 REM conducted the 2004 monument survey event (see Section 4.0 of this Report for greater detail).

3.2 SUMMARY OF CAP GAS SYSTEM INSPECTION EVENTS

Inspection of the Cap Gas System included observations of the aboveground components including: air intake and outlet collection headers, inlet and outlet valves, hoses and fittings, two 55-gallon carbon canisters, extraction blower, sampling ports, and a moisture separator canister. The results of the Cap Gas System inspection events are presented in Table 2.0. C2 REM did not observe any significant repair/maintenance issues with the Cap Gas System.

3.3 SUMMARY OF SURFACE AND SUBSURFACE DRAINAGE INSPECTION EVENTS

The concrete lined drainage swales, catch basins, and drainage culverts were checked by C2 REM to identify the presence of cracks, soil slumping, sediment build-up, separation, and the accumulation of vegetative debris (see Tables 3.0 and 4.0 for results). The results of the Surface and Subsurface Drainage inspection events show no significant issues with cracking, soil slumping, sediment build-up, separation, and accumulation of vegetation.

3.4 SUMMARY OF SECURITY FENCE AND ACCESS ROAD INSPECTION EVENTS

Visual inspections of the security fence and gates were performed to identify breaks, settlement damage, loose tension, and corrosion (see Table 5.0 for results). The gravel access road was inspected to identify dispersion of gravel, vegetation overgrowth, and excessive growth (see Table 6.0 for results). Breaks, damage, and general signs of deterioration of the perimeter fence were repaired as part of routine maintenance. C2 REM did not observe any significant repair issues regarding the access road. Minor cracks in the access road were repaired as part of routine maintenance (see Section 7.0 of this Report for greater detail).

4.0 MONUMENT SURVEY EVENT

After completion of the final cover, eight survey monuments were installed at various locations to monitor and track historical ground movement and settlement. The general

location of each survey monument is provided on Figure 2.0. C2 REM conducted the 2004 monument survey event on January 10, 2005. Based on the average elevation difference (0.04 feet) between the 2004 monument survey results and the baseline monument survey results (2000), the cap did not undergo any significant settlement or grade adjustments (See Table 7.0 for results). Pursuant to the OM&M Manual, the monitoring shall be conducted every 5 years after primary consolidation has been reached. Therefore, the next monument survey event is scheduled for the year 2009.

5.0 CAP GAS COLLECTION AND TREATMENT SYSTEM OPERATION

5.1 OBJECTIVES

C2 REM conducted the Cap Gas System monitoring activities pursuant to the requirements as approved by the USEPA and as presented in the report entitled *Cap Gas Collection and Treatment Baseline Monitoring and Longterm Monitoring Recommendations Report, Del Amo Waste Pits Operable Unit, Los Angeles County, California,* C2 REM, December 2000 (C2 REM, 2000a). These monitoring activities were conducted to assess the efficiency of the Cap Gas System in the collection and treatment of fugitive soil vapor emissions from the sand layer within the cap.

5.2 2005 BI-MONTHLY CAP GAS MONITORING RESULTS

In an effort to assess the efficiency and performance of the carbon units of the Cap Gas System, bi-monthly monitoring was conducted from four sample locations (i.e., system influent [#1], effluent of the lead carbon vessel [#2], effluent of the secondary carbon vessel [#3], and system effluent [#4]). During bi-monthly monitoring, a site-dedicated PID (calibrated to benzene) was used to measure total volatile organic compound (VOC) concentrations at each of the four sample locations. As indicated in Table 8.0, influent sample readings ranging from 0.0 parts per million (ppm) to 6.1 ppm, and effluent readings ranging from 0.0 ppm to 16.0 ppm were recorded over the course of the year 2005. On September 22, 2005, all PID readings were abnormally high, the system was turned off, and a confirmation sampling event was scheduled for September 23, 2005. The system effluent reading during confirmation sampling on September 23, 2005 was 2.0 ppm and the system was turned back on. As outlined in the OM&M Manual and the

USEPA-approved carbon bed change-out protocol, system effluent readings greater than 5 ppm require action to assure that the Cap Gas System is operating in compliance. The low concentrations detected at the Cap Gas System effluent demonstrate that the carbon is efficient in controlling VOC emissions (see Figure 3.0). The forms used to record results of the bi-monthly cap gas monitoring events are presented in Appendix B.

The guidelines established for carbon change-out of the Cap Gas System state that when VOC concentrations at the effluent are greater than 5 ppm, and/or when the lead vessel efficiency (in relation to the system influent) falls within Zone 2 for two consecutive monitoring events or Zone 3 (see Figure 4.0), carbon shall be replaced. However, there were several instances when carbon was not changed when the efficiency of the lead carbon vessel (in relation to the system influent) were plotted on the Carbon Replacement Protocol (CRP) in Zone 2 or Zone 3. In these instances, the decrease in lead carbon vessel efficiency (i.e., resulting from low system influent and subsequent low system effluent concentrations) did not warrant carbon replacement since the system effluent readings were well below the emission limits (i.e., less than 5 ppm). Subsequent monitoring events identified that lead carbon vessel efficiency improved with higher influent concentrations. By extension, the guidelines for carbon bed change-out have been slightly modified to state that when the VOC concentrations at the effluent are greater than 5 ppm, and/or when the lead carbon vessel efficiency falls within Zone 2 for two consecutive monitoring events or Zone 3 at greater than 5 ppm, carbon shall be replaced.

Based on the aforementioned protocols, the carbon was changed one time in 2005 (March 24, 2005).

5.3 ANNUAL CONFIRMATION SAMPLING

C2 REM, with the approval of the USEPA (December 4, 2002), has modified the scope and frequency of the Cap Gas System annual confirmation sampling event. The frequency of the confirmation sampling event has been changed from an annual program to once every 5 years. In addition, South Coast Air Quality Management District

(SCAQMD) Method 25.1 has been eliminated from the required list of analyses for collected Cap Gas System samples due to the lack of relevant information obtained from the method, as well as the redundancy of using both SCAQMD Method 25.1 and USEPA Method TO14 (the latter of which provides an adequately detailed analysis of site Constituents of Concern [COCs] and other related compounds).

C2 REM conducted an annual confirmation sampling event of the Gas Collection Treatment System (GCTS) system on June 2, 2005 to ensure the effectiveness of field monitoring. Samples were collected from four sampling ports in 6-Liter SUMMA canisters (i.e., System Influent, Lead Carbon Vessel Outlet, Lag Carbon Vessel Outlet, and System Effluent). Samples were transported to a fixed laboratory and analyzed using USEPA Method TO-15 for VOCs. Sample results indicate that benzene was only detected at the system influent, at a concentration of 0.16-ppmv (see Appendix C). This information was used to verify the approximate COC concentrations determined with the PID during bi-monthly monitoring events and ensure the effective operation of the GCTS system. Based on a correlation analysis of the laboratory data and monitoring results, the PID accurately measures the soil vapor concentrations. The correlation between PID data and laboratory data is 99.9%. Based on the approved scope and frequency for confirmation sampling, the next sampling event will be conducted during the second quarter of 2010 (to coincide with the second 5-year review) and thereafter in 2015.

6.0 SOIL VAPOR EXTRACTION SYSTEM EVALUATION AND MONITORING

6.1 OVERVIEW

As outlined in the March 27, 2003 USEPA letter (see Appendix D), the agency requested that quarterly monitoring of SVE perimeter monitoring wells commence (prior to startup of the SVE system). An enhanced vadose zone biodegradation assessment was also conducted in 2005, at the request of the USEPA. The following two sections discuss these activities in more detail.

6.2 QUARTERLY PERIMETER WELL MONITORING

C2 REM conducted quarterly monitoring of the SVE perimeter monitoring wells on March 3, 2005, August 18, 2005, and November 10, 2005. Perimeter well monitoring during the second quarter of 2005 was unnecessary due to extensive sampling and analysis during the IBT field-testing activities. The procedures for monitoring the perimeter wells included measuring well pressure (inches of water), purging the appropriate pore volume (see Table 9.0), sampling through a lung sampler into a 1-liter tedlar bag, and analyzing the collected vapors with a PID calibrated to benzene.

The low concentrations of VOCs detected at the perimeter wells (i.e., <2.0 ppm) indicate that the cover system is performing as designed and that contaminated soil vapors are not migrating significantly beyond the cap boundaries (see Table 10.0).

6.3 ENHANCED VADOSE ZONE BIODEGRADATION ASSESSMENT

At the request of the USEPA, C2 REM on behalf of the Del Amo Respondents prepared the *Vapor Treatment Technology FPTP Workplan,* C2 REM, January 16, 2003 (FPTP Workplan) and conducted the Field Pilot Test Program (FPTP) in 2003 to determine the applicability of a resin adsorption technology for the vapor treatment component of the SVE system. In October 2003, C2 REM submitted the results and analysis of the FPTP in the *Field Pilot Test Program Report of Findings, Del Amo Waste Pits Operable Unit,* C2 REM, October 2003 (FPTP Report of Findings). The USEPA completed its review and in a letter dated July 21, 2004 (see Appendix E) approved the FPTP Report of Findings and its conclusion that the application of the resin adsorption technology at the Waste Pits is inappropriate.

Between June 2004 and December 2004, C2 REM prepared and proposed an adsorption treatment technology program with enhanced biodegradation. During this time C2 REM submitted the *Bioventing Evaluation Workplan,* June 2004 and the *Bioventing Efficiency Assessment-Technical Memorandum,* August 2, 2004 to the USEPA.

Pursuant to the USEPA request, outlined in the December 10, 2004 letter entitled, *Remedial Design of SVE System* (see Appendix F) and in compliance with the unilateral Administrative Order Docket No. 98-06, C2 REM on behalf of the Del Amo Respondents prepared and submitted the *Remedial Design Workplan Addendum-In Situ Bioventing Technology Assessment, Del Amo Waste Pits,* C2 REM, January 2005 (RD Addendum).

The RD Addendum provides the technical support for the potential efficacy of IBT as a remedial alternative at the Waste Pits, and it provides the performance standards, operating parameters, monitoring frequency, evaluation frequency, and failure criteria for the bioventing component. The primary objective of the IBT is to enhance in situ biodegradation through the introduction of additional oxygen within the vadose zone to achieve the remedial objectives outlined by the USEPA in the site Record of Decision (ROD) for soils (USEPA, 1997).

The USEPA approved the RD Addendum in March of 2005. The pilot study began in May of 2005. Results from the pilot study indicated that IBT was a viable option for the alternative treatment. The Prefinal Design for SVE was approved by the USEPA in September 2005. The selected treatment technology, SVE/IBT, is slated for implementation in 2006.

7.0 ROUTINE MAINTENACE

7.1 OBJECTIVES

C2 REM conducted routine system maintenance to: 1) assure that the integrity of the completed containment system is maintained; 2) reduce the probability of malfunction; 3) to provide a mechanism for early detection of system failures; 4) repair identified system failures; 5) to ensure the efficient management of OM&M activities (see Appendix G for Field Daily Reports/Completed Maintenance Forms).

7.2 COVER SYSTEM

Routine maintenance of the cover system included control of weeds, vegetation (turf height), and burrowing animals. Regularly scheduled mowing of the California grass mix

on the cap and the surrounding areas has maintained the required turf height (maximum grass height of 1-foot) and helped control potential fire outbreaks by eliminating the build-up of dry grass thatch. The occurrence of burrowing animals, albeit infrequent, has been regulated via pest control companies in order to prevent damage to the cover system.

7.3 GAS COLLECTION AND TREATMENT SYSTEM

C2 REM conducted bi-monthly visual observations of the Cap Gas System's aboveground components and onsite system enclosure to identify potential maintenance requirements and/or repairs. Routine maintenance items conducted on the Cap Gas System included painting system components that regularly exhibit rust buildup, the replacement of sample ports and the change-out of carbon canisters. Additionally, during bi-monthly site visits, C2 REM monitored mechanical components of the blower motor and control unit to assure that the Cap Gas System is operating as designed and to reduce the probability of malfunction (see Appendix A). The blower motor is functioning within the following manufacturer specifications: 1) air velocity; 2) incoming velocity; and 3) motor voltage and amperage.

7.4 SURFACE AND SUBSURFACE DRAINAGE SYSTEMS

As part of the scheduled landscape and maintenance of the site cover system, the surface and subsurface drainage systems were routinely inspected for any cracking, spalling, settlement, and/or debris build-up. C2 REM regularly cleaned the surface drainage swales and catch basins of any vegetative debris or sediment build-up. No additional maintenance or repair of the surface and subsurface drainage systems was required in 2005.

7.5 ACCESS ROAD

The gravel access road was routinely inspected for the dispersion of gravel and/or vegetation overgrowth. The access road was regularly cleared of encroaching vegetative material during scheduled landscape maintenance activities. C2 REM covered the access road with a new layer of gravel on March 16, 2005 as part of routine site maintenance

due to the slight deterioration and dispersion of gravel over the past 6 years. No additional maintenance or repair of the gravel access road was required in 2005.

7.6 SECURITY AND PERIMETER FENCE

The perimeter fence was routinely inspected for damage as part of the normal property maintenance. C2 REM regularly repaired sections of the perimeter fence exhibiting breaks or structural damage in 2005.

7.7 ONSITE TRAILERS

C2 REM did not identify any significant damage or vandalism during routine property maintenance in 2005.

8.0 REPAIRS

8.1 OBJECTIVES

In an effort to ensure the integrity of the implemented remedy, C2 REM regularly identified and repaired failed or nonfunctional components of the Phase I remedy pursuant to Section 10.0 of the OM&M Manual.

8.2 REQUIRED REPAIRS

The cover system as well as other systems subject to inspection and assessment did not require any significant repairs. Minor repair issues (i.e., fence repair and trailer repair) were completed as part of the routine maintenance at the Waste Pits (see Appendix G for Completed Maintenance Forms/Field Daily Reports).

9.0 CONCLUSIONS AND RECOMMENDATIONS

Following the sixth year of operation (January 2005 to December 2005), the Waste Pits are in good condition and the implemented remedy is functioning as designed. Regularly scheduled inspections, monitoring, and maintenance activities have assisted in the early identification of possible repair issues without system operation interruption. Issues that were identified (i.e., burrowing animals, sediment build-up in drainage swales, fence

repair) have been rectified and to date the cover system and other associated systems are operational and functioning as designed.

In response to USEPA's request, C2 REM will continue to conduct quarterly monitoring of the perimeter wells to assess migration of contaminated vapors from beneath the cap. The current quarterly inspection requirements and bi-monthly monitoring frequency of the Cap Gas System should not be modified at this time. The cover system and the other associated systems have performed well during the sixth year of operation, and the required inspection requirements and monitoring frequency are adequate to assess whether the remedy for the Waste Pits is functioning as designed. Based on the elevation difference between the 2004 monument survey results and the baseline monument survey results (2000), the cap did not undergo any significant settlement or grade adjustments. Survey data suggests that primary consolidation has been reached; therefore, the next monument survey event is scheduled for the year 2009. Future inspection and monitoring activities shall be conducted in accordance with the schedule provided on Table 11.0.

10.0 REFERENCES

C2 REM, *Cap Gas Collection and Treatment Baseline Monitoring and Longterm Monitoring Recommendations Report, Del Amo Waste Pits Operable Unit,* December 2000 (C2 REM, 2000a).

C2 REM, *SVE Baseline Monitoring Results & Low Flow SVE Evaluation Report, Del Amo Waste Pits Operable Unit,* May 2000 (C2 REM, 2000b).

C2 REM, *Vapor Treatment Technology FPTP Workplan, Del Amo Waste Pits Operable Unit,* January 16, 2003 (FPTP Workplan).

C2 REM, *Field Pilot Test Program Report of Findings, Del Amo Waste Pits Operable Unit,* October 2003 (FPTP Report of Findings).

C2 REM, *Bioventing Evaluation Workplan, Del Amo Waste Pits,* June 2004 (C2 REM, 2004a).

C2 REM, *Bioventing Efficiency Assessment, Bioventing Evaluation, Del Amo Waste Pits OU,* August 2, 2004 (C2 REM 2004b).

C2 REM, *Remedial Design Workplan Addendim-In Situ Bioventing Technology Assessment, Del Amo Waste Pits,* January 2005 (RD Addendum).

Dames and Moore, *Remedial Action Work Plan, Del Amo Superfund Site,* June 30, 1998 (Dames & Moore, 1998).

Parsons Engineering Science, *Operational, Maintenance, and Monitoring Manual for the Del Amo Waste Pits Operable Unit,* March 12, 1999 (OM&M Manual).

USEPA, *Administrative Order (AO) for Remedial Design, Docket No. 98-06, Del Amo Waste Pits Operable Unit,* May 5, 1998 (USEPA, 1998).

USEPA, *Administrative Order (AO) for Remedial Action, Docket No. 99-08, Del Amo Waste Pits Operable Unit,* May 3, 1999 (USEPA, 1999).

USEPA, *Record of Decision for Del Amo Waste Pits Operable Unit,* September 1997 (USEPA, 1997).

TABLE 1.0
COVER SYSTEM INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Cover System								
Inspection Date	**January 3, 2005**	**January 10, 2005**	**February 22, 2005**	**March 3, 2005**	**May 13, 2005**	**August 18, 2005**	**October 17, 2005**	**November 10, 2005**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	4th Quarterly Inspection
Inspection Items								
Erosion	4	4	4	4	4	4	4	4
Stressed Vegetation (Plant Die-Back)	4	4	4	4	4	4	4	4
Sediment Build-Up	4	4	4	4	4	4	4	4
Local Subsidence or Loss of Grade	4	4	4	4	4	4	4	4
Water Ponding	4	4	4	4	4	4	4	4
Turf Height	4	4	4	4	4	4	4	4
Burrowing Animals	4	4	4	4	3-2 (1)	4	3-2 (1)	3-2 (1)
Weeds or Undesirable Vegetation	4	4	4	4	4	4	4	4
Evidence of Fires or Vandalism	4	4	4	4	4	4	4	4
Soil Quality Check	4	4	4	4	4	4	4	4
Unauthorized Traffic	4	4	4	4	4	4	4	4
Slope Instability or Sloughing	4	4	4	4	4	4	4	4
Survey Monuments	4	4	4	4	4	4	4	4
Vertical Cracking	4	4	4	4	4	4	4	4
Intrusions	4	4	4	4	4	4	4	4
Evidence of Waste Pit Materials	4	4	4	4	4	4	4	4

(1) Area of concern was repaired/addressed during routine property maintenance.

Conditions/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

TABLE 2.0
CAP GAS COLLECTION TREATMENT INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Cap Gas Collection Treatment System								
Inspection Date	**January 3, 2005**	**January 10, 2005**	**February 22, 2005**	**March 3, 2005**	**May 13, 2005**	**August 18, 2005**	**October 17, 2005**	**November 10, 2005**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	4th Quarterly Inspection
Inspection Items								
Collection System Valves								
Adequate Free Movement	4	4	4	4	4	4	4	4
Seals-Complete	4	4	4	4	4	4	4	4
Signs of Rust/Corrosion	4	4	4	4	4	4	4	4
Condensate Collection								
Air Moisture Separator	4	4	4	4	4	4	4	4
Carbon Adsorbers-Vessels								
Exterior Damage	4	4	4	4	4	4	4	4
FRP Grating and Mesh	4	4	4	4	4	4	4	4
Blower [(1)]								
General Motor Maintenance	4	4	4	4	4	4	4	4
Drive Maintenance	4	4	4	4	4	4	4	4
Bearing Maintenance	4	4	4	4	4	4	4	4
Lubrication	4	4	4	4	4	4	4	4
Structural Maintenance	4	4	4	4	4	4	4	4
Carbon Replacement								
Adsorber No. 1	4	4	4	4	4	4	4	4
Adsorber No. 2	4	4	4	4	4	4	4	4

(1) Blower and motor are permanently lubricated and sealed units.

Conditions/Remarks Key:
4 = Satisfactory
3 = Slight (Continue Observing)
2 = Moderate (Needs Scheduled Repair)
1 = Poor (Needs Immediate Repair)

TABLE 3.0
SURFACE WATER DRAINAGE INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Surface Water Drainage								
Inspection Date	**January 3, 2005**	**January 10, 2005**	**February 22, 2005**	**March 3, 2005**	**May 13, 2005**	**August 18, 2005**	**October 17, 2005**	**November 10, 2005**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	4th Quarterly Inspection
Inspection Items								
Washouts or Erosion of Contoured Grade	4	4	4	4	4	4	4	4
Ponding on Contoured Grade	4	4	4	4	4	4	4	4
Gullies and Ruts on Contoured Grade	4	4	4	4	4	4	4	4
Plugging of Drainage Culverts (1)	4	4	4	4	4	4	4	4
Holes and Cracks in Swales or Catch Basins	4	4	4	4	4	4	4	4
Basins (1)	4	4	4	4	4	4	4	4
Surface Cracking of Swales/Catch Basins	4	4	4	4	4	4	4	4
Spalling of Swales/Catch Basins	4	4	4	4	4	4	4	4
Structural Failure of Swales/Catch Basins	4	4	4	4	4	4	4	4

(1) Repair/maintenance completed during routine maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 4.0
SUBSURFACE DRAINAGE INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Subsurface Drainage								
Inspection Date	**January 3, 2005**	**January 10, 2005**	**February 22, 2005**	**March 3, 2005**	**May 13, 2005**	**August 18, 2005**	**October 17, 2005**	**November 10, 2005**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	4th Quarterly Inspection
Inspection Items								
Holes and Cracks in Swales, Catch Basin	4	4	4	4	4	4	4	4
Plugging of Drainage Inlets	4	4	4	4	4	4	4	4
Sediment Build-Up or Debris in Catch Basin	4	4	4	4	4	4	4	4
Structural Failure of Catch Basin	4	4	4	4	4	4	4	4

Note:

Surface and subsurface drainage system components were regularly cleaned of any debris.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 5.0
SECURITY FENCE INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Security Fence								
Inspection Date	**January 3, 2005**	**January 10, 2005**	**February 22, 2005**	**March 3, 2005**	**May 13, 2005**	**August 18, 2005**	**October 17, 2005**	**November 10, 2005**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	4th Quarterly Inspection
Inspection Items								
Perimeter Fence								
Breaks and Holes	4	4	4	4	4	4	3-2 (1)	3-2 (1)
Settlement Damage	4	4	4	4	4	4	4	4
Loose Posts/Tension	4	4	4	4	4	4	4	3-2 (1)
Rust/Corrosion	4	4	4	4	3	4	4	3-2 (1)
Ruts and Burrows Beneath Fence	4	4	4	4	4	4	4	3-2 (1)
Vegetation Overgrowth	4	4	4	4	4	4	4	4
General Signs of Deterioration	4	4	4	4	4	4	4	3-2 (1)
Vandalism/Animal/Wind Damage	4	4	4	4	4	4	4	4
Gates								
Adequate Movement of Hinges and Gates	4	4	4	4	4	4	4	4
Proper Function of Lock(s)	4	4	4	4	4	4	4	4

(1) Repair completed during routine maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 6.0
ACCESS ROAD INSPECTION SUMMARY
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Access Road								
Inspection Date	**January 3, 2005**	**January 10, 2005**	**February 22, 2005**	**March 3, 2005**	**May 13, 2005**	**August 18, 2005**	**October 17, 2005**	**November 10, 2005**
Inspection Type	Post Rain Inspection	Post Rain Inspection	Post Rain Inspection	1st Quarterly Inspection	2nd Quarterly Inspection	3rd Quarterly Inspection	Post Rain Inspection	4th Quarterly Inspection
Inspection Items								
Holes and Cracks	4	4	4	4	4	4	3-2 (1)	4
Vegetation Overgrowth	4	4	4	4	4	4	4	4
Settlement	4	4	4	4	4	4	4	4
Excessive Dispersion of Gravel	4	4	4	4	4	4	4	4
General Signs of Deterioration	4	4	4	3-2 (1)	4	4	4	4

(1) Repair completed during routine maintenance.

Conditions/Remarks Key:

4 = Satisfactory

3 = Slight (Continue Observing)

2 = Moderate (Needs Scheduled Repair)

1 = Poor (Needs Immediate Repair)

TABLE 7.0
2005 MONUMENT SURVEY RESULTS
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

BASELINE COORDINATES (01/27/00)				MONITORING DATE (1/10/05)			
ID NO	NORTHING	EASTING	ELEVATION (ft. above MSL)	NORTHING	EASTING	ELEVATION (ft. above MSL)	ELEVATION DIFFERENCE (ft.)
S-1	56646.97	199287.31	39.76	56646.95	199287.29	39.84	+0.08
S-2	56646.99	199102.66	40.6	56646.97	199102.62	40.67	+0.07
S-3	56631.70	198929.44	41.42	56631.70	198929.41	41.42	0.00
S-4	56631.66	198876.96	41.55	56631.64	198876.94	41.45	-0.10
S-5	56631.73	198807.17	42.47	56631.72	198807.13	42.42	-0.05
S-6	56631.72	198760.02	43.05	56631.74	198759.96	42.98	-0.07
S-7	56631.85	198722.09	43.40	56631.86	198722.09	43.41	+0.01
S-8	56631.59	198688.12	43.72	56631.60	198688.09	43.74	+0.02
Monument 1	56740.04	198884.47	36.44	56740.04	198884.47	36.44	0.00
Monument 2	56474.06	199620.03	*	56474.06	199620.03	*	*

* Elevation of Monument No. 2 is not available.

TABLE 8.0
2005 BI-MONTHLY CAP GAS SYSTEM MONITORING RESULTS
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

Date	System Influent VOCs (ppm)	Effluent Lead Carbon Vessel VOCs (ppm)	Effluent Secondary Carbon Vessel VOCs (ppm)	System Effluent VOCs (ppm)	System Efficiency Based on PID Readings
1/6/2005	2.6	2.4	2.3	1.4	46%
1/20/2005	3.6	2.5	2.2	1.6	56%
2/3/2005	4.1	3.2	1.8	1.2	71%
2/17/2005	0.8	0.2	0.4	0.0	100%
3/3/2005	2.9	2.4	2.0	1.8	38%
3/17/2005	2.2	2.9	1.8	2.2	0%
4/4/2005	1.0	0.8	0.9	0.9	10%
4/15/2005	0.7	1.2	0.3	0.2	71%
4/28/2005	0.6	0.3	0.4	0.4	33%
5/17/2005	0.9	1.9	0.8	0.3	67%
5/26/2005	0.8	0.3	0.2	0.3	63%
6/2/2005	0.9	0.5	0.2	0.2	78%
6/16/2005	0.0	0.0	0.0	0.0	0%
6/30/2005[2]	0.2	0.1	0.0	0.0	100%
7/14/2005	0.3	0.1	0.1	0.0	100%
7/28/2005	0.4	0.2	0.2	0.1	75%
8/11/2005	0.4	0.2	0.4	0.1	75%
8/25/2005	0.6	0.2	0.4	0.6	0%
9/8/2005	0.6	0.3	0.4	0.2	67%
9/22/2005	4.1	9.9	16.6	16.0	-290%
9/23/2005[1]	6.1	12.0	5.3	2.0	67%
10/6/2005	0.6	0.6	0.7	0.7	-17%
10/20/2005[2]	0.6	0.9	2.1	2.3	-283%
11/4/2005[2]	0.3	0.5	0.4	0.3	0%
11/16/2005	0.6	0.5	0.4	0.4	33%
12/1/2005	0.2	0.2	0.3	0.3	-50%
12/14/2005	0.1	0.3	0.2	0.2	-100%
12/28/2005	0.9	0.7	0.9	1.1	-22%

(1) Confirmation sampling event
(2) Readings taken with a PID calibrated to 5.0 ppm benzene.

TABLE 9.0
SVE PERIMETER WELL PURGE VOLUME
DEL AMO WASTE PITS
LOS ANGELES, CALIFORNIA

Perimeter Monitoring Well ID	Depth (ft bgs)	Screen interval (ft)	Radius of casing (ft)	Radius of annulus (ft)	Soil porosity	Annulus Volume (ft^3)	Casing Volume (ft^3)	Pore Volume (ft^3)	Volume Required for Purging (ft^3)
A	23.6	5	0.0208	0.0729	0.3	0.03	0.03	0.06	0.17
B	17.6	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.15
C	17.3	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.15
D	16.9	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
E	15.9	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
F	15.7	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
G	14.3	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
H	14.1	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
I	13.1	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
J	15.2	5	0.0208	0.0729	0.3	0.03	0.02	0.05	0.14
K	13.7	5	0.0208	0.0729	0.3	0.03	0.02	0.04	0.13
L	10.7	5	0.0208	0.0729	0.3	0.03	0.01	0.04	0.12

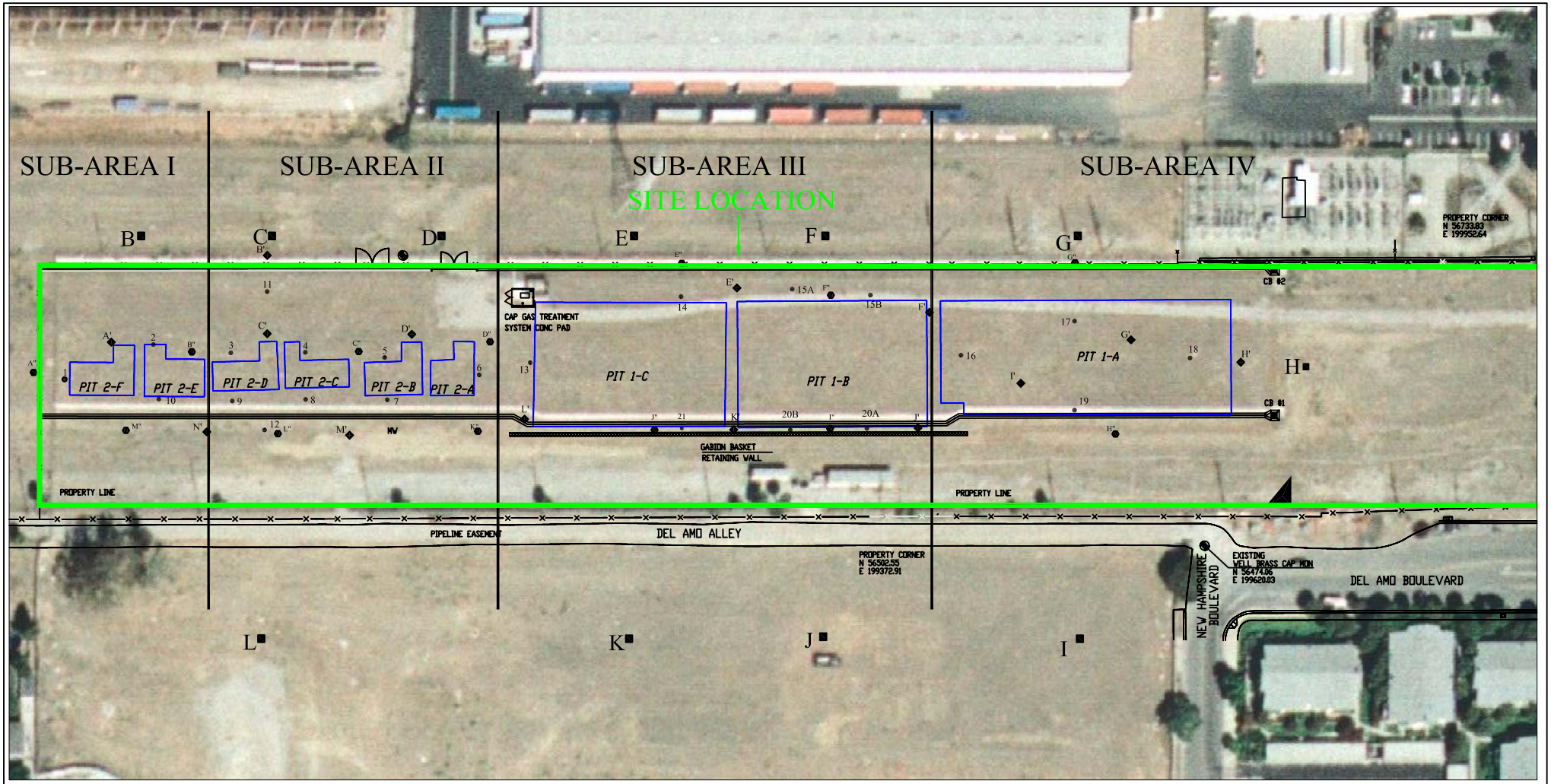
TABLE 10.0
2005 PERIMETER WELL MONITORING RESULTS
DEL AMO PITS
LOS ANGELES, CALIFORNIA

Perimeter Monitoring Well ID	March 3, 2005 Quarterly Monitoring Event-PID Results (ppm)	August 18, 2005 Quarterly Monitoring Event-PID Results (ppm)	November 10, 2005 Quarterly Monitoring Event-PID Results (ppm)
A	0.0	0.6	0.0
B	0.2	1.1	0.6
C	0.0	0.8	0.0
D	0.0	0.6	0.0
E	0.0	1.4	0.0
F	0.0	0.7	0.0
G	0.0	0.4	0.0
H	0.0	0.8	0.0
I	0.0	0.6	0.0
J	0.0	0.0	0.0
K	0.0	0.5	0.0
L	0.0	1.0	0.2

TABLE 11.0
PROPOSED MONITORING AND INSPECTION ACTIVITIES
DEL AMO WASTE PITS OU
LOS ANGELES, CALIFORNIA

EVENT	FREQUENCY	METHOD OF DOCUMENTATION
Cover System	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Cover System Inspection Form
Cap Gas Collection and Treatment System	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Cap Gas System Inspection Form
Surface Water Drainage System	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Surface Water Drainage Inspection Form
Subsurface Drainage Systems	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Subsurface Drainage Inspection Form
Security Fences	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Security Fence Inspection Form
Access Road	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Access Road Inspection Form
SVE Perimeter Well Monitoring Event	Quarterly and after heavy rains (1) for the Seventh Year of Operation	Perimeter Soil-Vapor Monitoring Form
Cap Gas Collection and Treatment System Monitoring	Bi-monthly	Cap Gas System Monitoring Form
Monument Survey Event	Once every 5 years (2)	Monument Survey Record
Repairs	As Required	Maintenance/Corrective Work Report

(1) Defined as precipitation events with intensity exceeding 1.0 inches over a 24-hour period.
(2) Next scheduled monument survey event to be conducted in the year 2009.



Reference: Final Design Report Drawings - Appendix C, Parsons Engineering Science, April 9, 1999

LEGEND

- Soil Vapor Extraction (SVE) Concentration Monitoring Cluster
- Soil Vapor Extraction (SVE) Pressure and Performance Standard Well Location
- Soil Vapor Extraction (SVE) Well Location
- Pit 1-C — Estimated Extent of Subsurface Impoundment
- Site Location
- Sub-Area Delineations

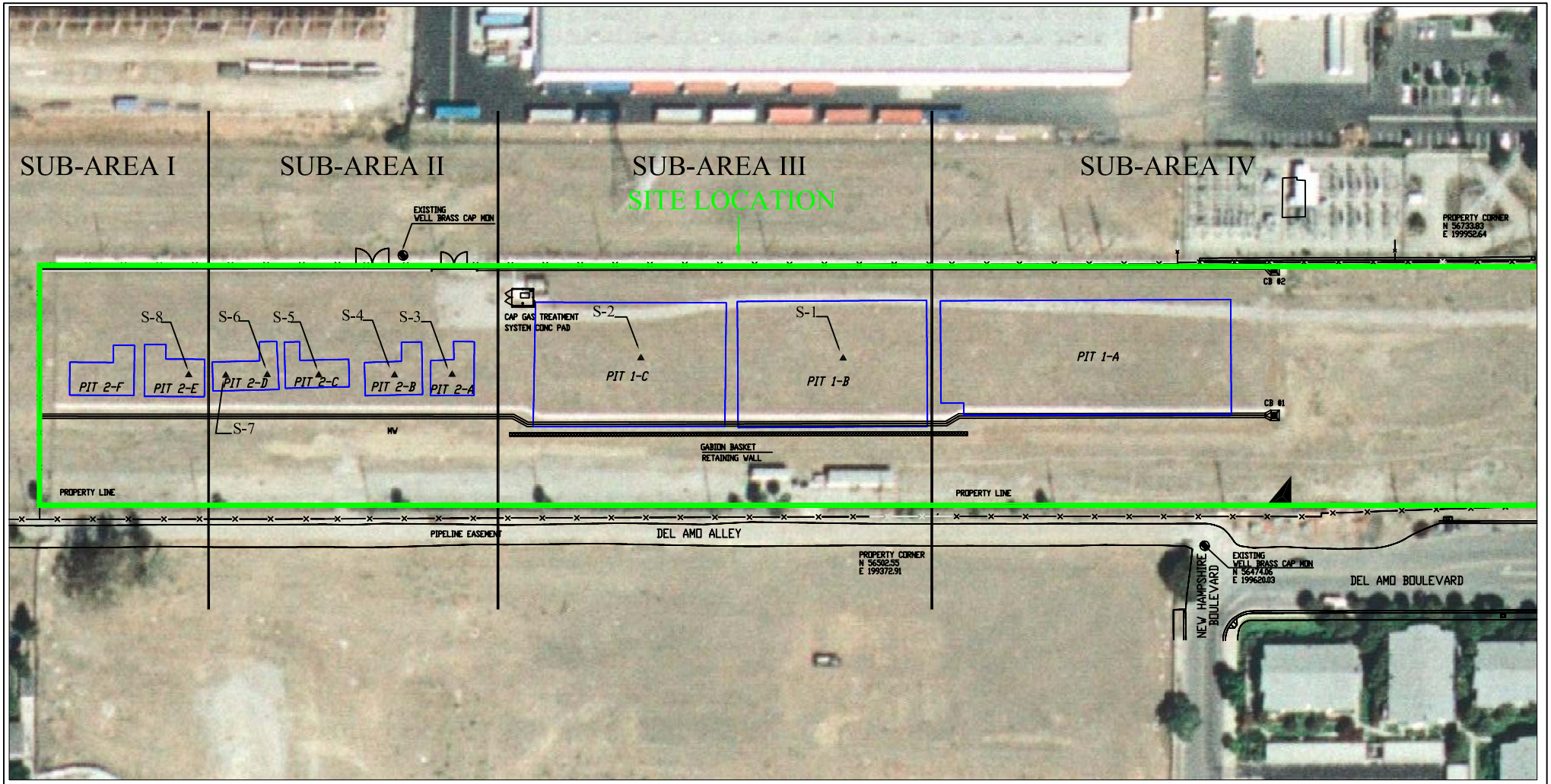
FIGURE 1.0

SITE LOCATION MAP

DEL AMO WASTE PITS OU

C2REM — AN ENVIRONMENTAL MANAGEMENT & DEVELOPMENT COMPANY

NEWPORT BEACH, CALIFORNIA 949.261.8098



Reference: Final Design Report Drawings - Appendix C, Parsons Engineering Science, April 9, 1999

LEGEND

- Pit 1-C — Estimated Extent of Subsurface Impoundment
- Site Location
- Sub-Area Delineations
- ▲ Survey Monument Marker
- ● Existing Monument Marker

FIGURE 2.0

MONUMENT SURVEY LOCATION MAP

DEL AMO WASTE PITS OU

C2REM An Environmental Management & Development Company
AN ENVIRONMENTAL MANAGEMENT & DEVELOPMENT COMPANY
NEWPORT BEACH, CALIFORNIA 949.261.8098

Figure 3.0
Cap Gas Treatment System
2005 Bi-monthly Monitoring Results (Influent vs. Effluent)
Del Amo Waste Pits
Los Angeles, California

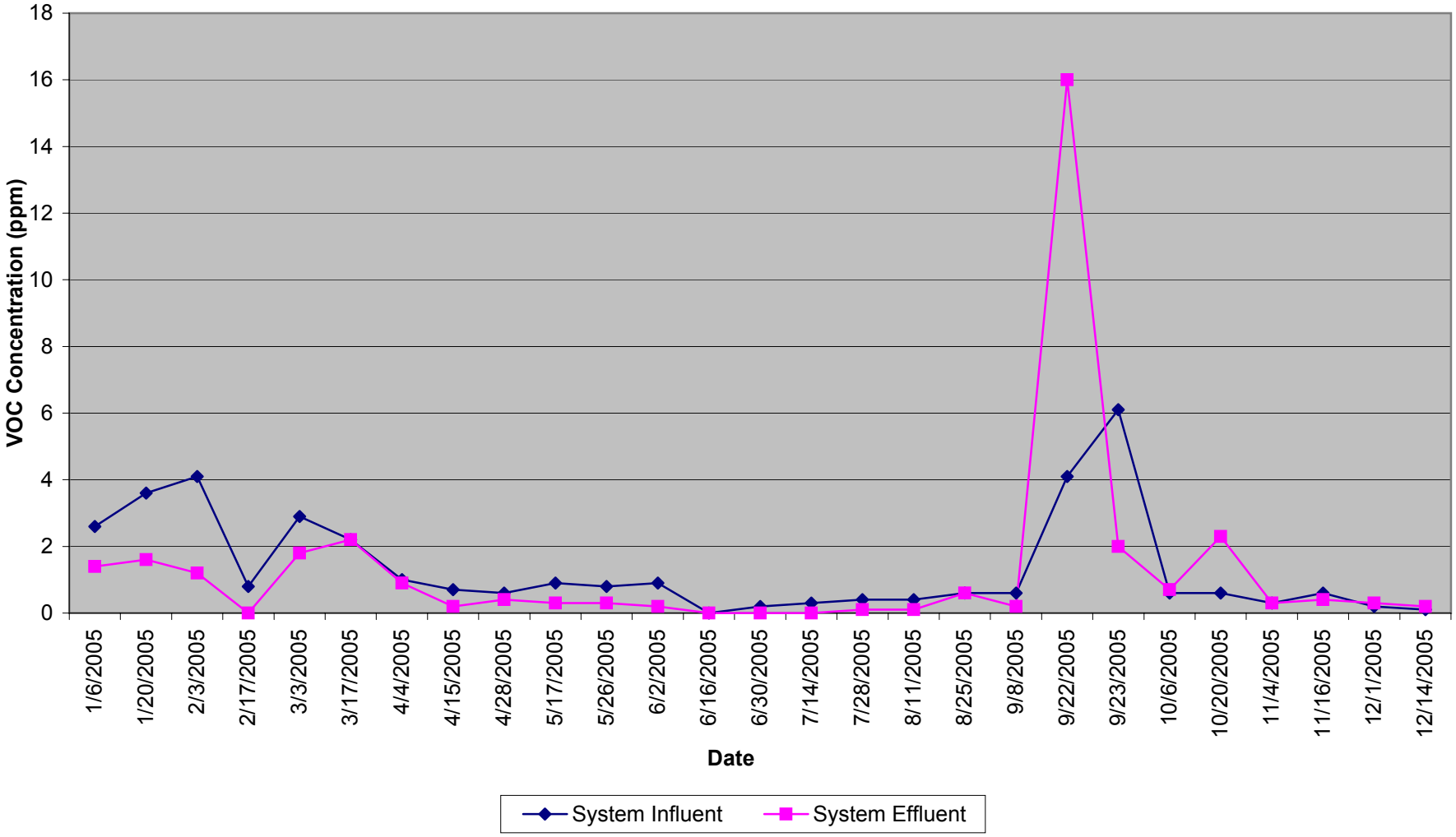
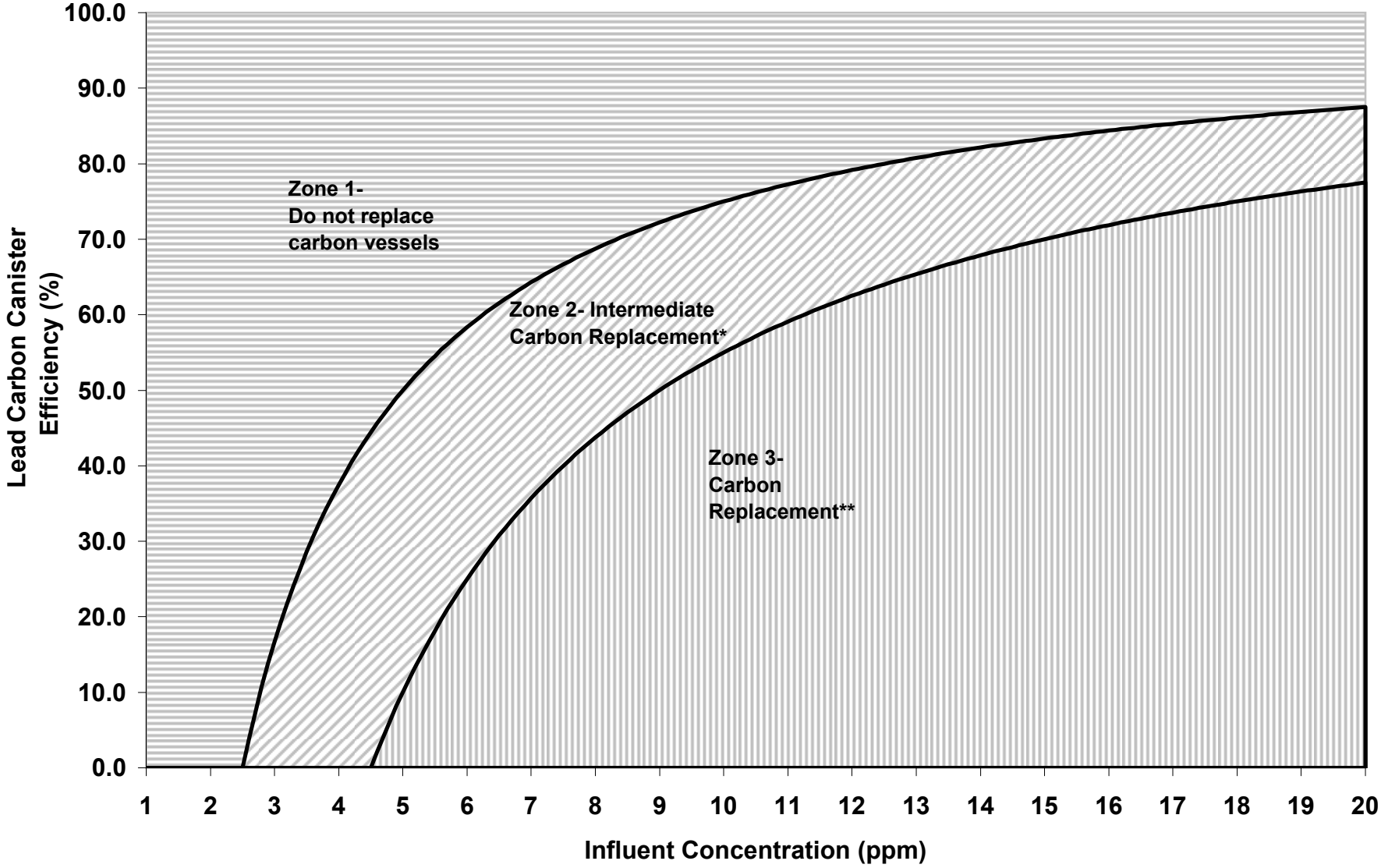


Figure 4.0
Carbon Replacement Protocol
Del Amo Waste Pits OU
Los Angeles, California



* Two consecutive monitoring results within this zone indicate carbon vessel replacement
** One monitoring result within this zone indicates carbon vessel replacement

APPENDIX A

2005 INSPECTION FORMS

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: E CARROLL — Sheet 1 of 1
Title: F TECHNICIAN — Date: 1-3-05
Time:

Verified By: Stefan Klemm — Date: 2/7/05
Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

	Item Description	Condition*/Remarks
1.	Erosion	X
2.	Stressed Vegetation (Plant Die-Back)	X
3.	Sediment Build-Up	X
4.	Local Subsidence or Loss of Grade	X
5.	Water Ponding	X
6.	Turf Height	X
7.	Burrowing Animals	X
8.	Weeds or Undesirable Vegetation	X
9.	Evidence of Fires or Vandalism	X
10.	Soil Quality Check	X
11.	Unauthorized Traffic	X
12.	Slope Instability or Sloughing	X
13.	Survey Monuments	X
14.	Vertical Cracking	X
15.	Intrusions	X
16.	Evidence of Waste Pit Materials	X

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: RC Sheet 1 of 2

Title: _____ Date: 1/3/05

Time: _____

Verified By: _____ Date: _____

Title: _____

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

( ) Other (explain) _____

(✓) Heavy Rain _____

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals - Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection (1)		**Comments/Corrective Action**
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6.	Blower	
	- General Motor Maintenance	✓
	- Drive Maintenance	✓
	- Bearing Maintenance	✓
	- Lubrication	✓
	- Structural Maintenance	✓

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RC Sheet 1 of 1
Title: _____ Date: 1/3/05
Time: _____
Verified By: _____ Date: _____
Title: _____

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1]

( ) Other (explain) _____

Item Description		Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]		
1.	Washouts or Erosion of Contoured Grade	✓
2.	Ponding on Contoured Grade	✓
3.	Gullies and Ruts on Contoured Grade	✓
4.	Plugging of Drainage Culverts	✓
5.	Holes and Cracks in Swales or Catch Basins	✓
6.	Sediment Build-Up in Swales or Catch Basin	✓
7.	Surface Cracking of Swales/Catch Basins	✓
8.	Spalling of Swales/Catch Basins	✓
9.	Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: F TECHNICIAN — Date: 1/3/05

Time: _____

Verified By: Stefan Keenan — Date: 2/7/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Semi-annual

(✓) Heavy Rainfall[2]

( ) Other (explain) _____

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	x
2. Plugging of Drainage Inlets	x
3. Sediment Build-Up or Debris in Catch Basin	x
4. Structural Failure of Catch Basin	x

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

Ø

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: RC
Title: _____

Sheet 1 of 1
Date: 1/3/05
Time: _____

Verified By: _____
Title: _____

Date: _____

Type of Inspection (check only one):

( ) Quarterly

( ) Other (explain) Post-Rain

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	✓
2.	Settlement Damage	✓
3.	Loose Posts/Tension	✓
4.	Rust/Corrosion	✓
5.	Ruts and Burrows Beneath Fence	✓
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	✓
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: F TECHNICIAN — Date: 1.3.05

Time: _____

Verified By: Stefan Kleman — Date: 2/7/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition*/Remarks
Access Road		
1.	Holes and Cracks	x
2.	Vegetation Overgrowth	x
3.	Settlement	x
4.	Excessive Dispersion of Gravel	x
5.	General Signs of Deterioration	x

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

Ø

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: R CARROLL
Title: FTECHNICIAN

Sheet 1 of 1
Date: 1.10.05
Time:

Verified By: Steve Ke
Title: Project Engineer

Date: 2/7/05

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

	Item Description	Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	✓
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: RC Sheet 1 of 2

Title: _____ Date: 1/10/05

Time: _____

Verified By: _____ Date: _____

Title: _____

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

( ) Other (explain) _____

(✓) Heavy Rain _____

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals - Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection (1)		**Comments/Corrective Action**
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6.	Blower	
	- General Motor Maintenance	✓
	- Drive Maintenance	✓
	- Bearing Maintenance	✓
	- Lubrication	✓
	- Structural Maintenance	✓

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: RC Sheet 1 of 1
Title: Date: 1/10/05
Time:
Verified By: Date:
Title:

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1]

(✓) Other (explain) Post-Rain

Item Description		Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]		
1.	Washouts or Erosion of Contoured Grade	✓
2.	Ponding on Contoured Grade	✓
3.	Gullies and Ruts on Contoured Grade	✓
4.	Plugging of Drainage Culverts	✓
5.	Holes and Cracks in Swales or Catch Basins	✓
6.	Sediment Build-Up in Swales or Catch Basin	✓
7.	Surface Cracking of Swales/Catch Basins	✓
8.	Spalling of Swales/Catch Basins	✓
9.	Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: R CAMAL

Title: F TECHNICIAN

Sheet 1 of 1

Date: 1.10.05

Time: _____

Verified By: Steve Kee

Title: Project Engineer

Date: 2/7/05

Type of Inspection (check only one):

( ) Semi-annual

(✓) Heavy Rainfall[2]

( ) Other (explain) _____

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

Ø

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: RC
Title: _____

Sheet 1 of 1
Date: 1/10/05
Time: _____

Verified By: _____
Title: _____

Date: _____

Type of Inspection (check only one):

( ) Quarterly

( ) Other (explain) _____

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	✓
2.	Settlement Damage	✓
3.	Loose Posts/Tension	✓
4.	Rust/Corrosion	✓
5.	Ruts and Burrows Beneath Fence	✓
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	✓
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: R CARROL — Sheet 1 of 1

Title: F TECHNICIAN — Date: 1.10.05

Time: _____

Verified By: Stefan Keenan — Date: 2/7/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition*/Remarks
Access Road	
1. Holes and Cracks	✓
2. Vegetation Overgrowth	✓
3. Settlement	✓
4. Excessive Dispersion of Gravel	✓
5. General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: R CARROLL — Sheet 1 of 1
Title: f TECHNICIAN — Date: 2.22.05
Time: ____

Verified By: Stephan Klein — Date: 3/10/05
Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly

( ) Other (explain) AFTER HEAVY RAIN

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	/
2.	Settlement Damage	/
3.	Loose Posts/Tension	/
4.	Rust/Corrosion	/
5.	Ruts and Burrows Beneath Fence	SLIGHT
6.	Vegetation Overgrowth	/
7.	General Signs of Deterioration	/
8.	Vandalism/Animal/Wind Damage	/
Gates		
9.	Adequate Movement of Hinges and Gates	/
10.	Proper Function of Lock(s)	/

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: f TECHNICIAN — Date: 2-22-05

Time: _____

Verified By: Stephen Klemm — Date: 3/10/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1]

( ) Other (explain) After Heavy rain

Item Description		Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]		
1.	Washouts or Erosion of Contoured Grade	/
2.	Ponding on Contoured Grade	/
3.	Gullies and Ruts on Contoured Grade	/
4.	Plugging of Drainage Culverts	/
5.	Holes and Cracks in Swales or Catch Basins	/
6.	Sediment Build-Up in Swales or Catch Basin	/
7.	Surface Cracking of Swales/Catch Basins	/
8.	Spalling of Swales/Catch Basins	/
9.	Structural Failure of Swales/Catch Basins	/

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: R CARROLL | Sheet 1 of 1
Title: F TECHNICIAN | Date: 2-22-05
Time:
Verified By: Stefan Keen | Date: 3/10/05
Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[(1)] (✓) After Heavy Rain[(2)]

( ) Other (explain) ________

Item Description		Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	✓
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

Ø

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT MAINTENANCE FORM

Completed By: R CARROLL Sheet 1 of 1

Title: F TECHNICIAN Date: 2-22-05

Time: _____

Verified By: Steve Klein Date: 3/10/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

(✓) Other (explain) POST RAIN

( ) Days Since Last Maintenance _____

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals-Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection(1)		**Comments/Corrective Action**
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	✓
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT MAINTENANCE FORM

6.	Blower	
	- General Motor Maintenance	✓
	- Drive Maintenance	✓
	- Bearing Maintenance	✓
	- Lubrication	✓
	- Structural Maintenance	✓
7.	Carbon Replacement	
	- Adsorber No. 1	✓
	- Adsorber No. 2	✓

Summary of Comments and General Maintenance Completed (attached additional sheets as required):

✓

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: R CARRAL Sheet 1 of 1

Title: F TECHNICIAN Date: 2-22-05

Time: _____

Verified By: Steve Ree Date: 3/10/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Semi-annual

(✓) Heavy Rainfall[2]

( ) Other (explain) _____

Item Description		Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS		
1.	Holes and Cracks in Swales, Catch Basin	✓
2.	Plugging of Drainage Inlets	✓
3.	Sediment Build-Up or Debris in Catch Basin	✓
4.	Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

⊖

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: R CARROLL Sheet 1 of 1

Title: F TECH Date: 2-22-05

Time: _____

Verified By: Steve Kerr Date: 3/10/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description		Condition*/Remarks
Access Road		
1.	Holes and Cracks	✓
2.	Vegetation Overgrowth	✓
3.	Settlement	✓
4.	Excessive Dispersion of Gravel	✓
5.	General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1
Title: _____ — Date: 3/3/05
Time: _____
Verified By: Stefan K — Date: 4/18/05
Title: Project Engineer

Type of Inspection (check only one):

(A) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item	Description	Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	✓
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT MAINTENANCE FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 3/3/05

Time: _____

Verified By: Steve K — Date: 4/18/05

Title: Project Engrs

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

(✓) Other (explain) Quarterly

( ) Days Since Last Maintenance _____

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals-Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection(1)		**Comments/Corrective Action**
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	✓
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT MAINTENANCE FORM

6.	Blower	✓
	- General Motor Maintenance	✓
	- Drive Maintenance	NA
	- Bearing Maintenance	NA
	- Lubrication	NA
	- Structural Maintenance	NA
7.	Carbon Replacement	NA
	- Adsorber No. 1	✓
	- Adsorber No. 2	✓

Summary of Comments and General Maintenance Completed (attached additional sheets as required):

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1
Title: Project Engineer — Date: 3/3/05
Time:

Verified By: Stefan Ke — Date: 4/8/05
Title: Project Engine

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1]

( ) Other (explain) _____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 3/3/05

Time: _____

Verified By: Stefan Ka — Date: 4/19/05

Title: Project Engr

Type of Inspection (check only one):

( ) Semi-annual

( ) Heavy Rainfall[2]

(✓) Other (explain) Quarterly

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Christine Nuckel
Title: Project Engineer

Sheet 1 of 1
Date: 3/3/05
Time:

Verified By: Stefan Ka
Title: Project Engineer

Date: 4/18/05

Type of Inspection (check only one):

(X) Quarterly

( ) Other (explain) _____

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	✓
2.	Settlement Damage	✓
3.	Loose Posts/Tension	✓
4.	Rust/Corrosion	✓
5.	Ruts and Burrows Beneath Fence	✓
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	✓
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 3/3/05

Time: _____

Verified By: Stefan Kerr — Date: 4/18/05

Title: Project Engineer

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event(1) ( ) After Heavy Rain(2)

( ) Other (explain) 1st 2005 Quarterly

Item Description		Condition*/Remarks
Access Road		
1.	Holes and Cracks	✓
2.	Vegetation Overgrowth	✓
3.	Settlement	✓
4.	Excessive Dispersion of Gravel	✓
5.	General Signs of Deterioration	Fresh gravel will be placed this quarter

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: STEFAN KLEMM — Sheet 1 of 1
Title: Project Engineer — Date: 5/13/05
Time: _____
Verified By: _____ — Date: _____
Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]
( ) Other (explain) 2nd Quarterly

	Item Description	Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	few areas w/ sign of burrowing animals
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

WSP continue to observe areas w/ burrowing animals

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: STEFAN KLEMM Sheet 1 of 2

Title: PROJECT ENGINEER Date: 5/13/05

Time: 11:00 am

Verified By: _____ Date: _____

Title: _____

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

(✓) Other (explain) 2nd Quarterly

( ) Heavy Rain _____

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals - Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection (1)		**Comments/Corrective Action**
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6. Blower

- General Motor Maintenance ✓
- Drive Maintenance ✓
- Bearing Maintenance ✓
- Lubrication ✓
- Structural Maintenance ✓

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: STEFAN KLEMM — Sheet 1 of 1
Title: Project Engineer — Date: 5/13/05
Time: 11:00 am
Verified By: _____ — Date: _____
Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1]

( ) Other (explain) 2nd Quarterly

Item Description		Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]		
1.	Washouts or Erosion of Contoured Grade	✓
2.	Ponding on Contoured Grade	✓
3.	Gullies and Ruts on Contoured Grade	✓
4.	Plugging of Drainage Culverts	✓
5.	Holes and Cracks in Swales or Catch Basins	✓
6.	Sediment Build-Up in Swales or Catch Basin	✓
7.	Surface Cracking of Swales/Catch Basins	✓
8.	Spalling of Swales/Catch Basins	✓
9.	Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Stefan Klemm Sheet 1 of 1

Title: Project Engineer Date: 5/13/05

Time: 11:00 am

Verified By: _____ Date: _____

Title: _____

Type of Inspection (check only one):

( ) Semi-annual

( ) Heavy Rainfall[2]

(✓) Other (explain) 2nd Quarterly

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Stefan Klemm — Sheet 1 of 1
Title: Project Engineer — Date: 5/13/05
Time: 11:00
Verified By: — Date:
Title:

Type of Inspection (check only one):

(✓) Quarterly

( ) Other (explain) 2nd Quarterly

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	✓
2.	Settlement Damage	✓
3.	Loose Posts/Tension	✓
4.	Rust/Corrosion	slight
5.	Ruts and Burrows Beneath Fence	✓
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	✓
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

Fence bordering southern boundary of property has some areas with slight corrosion/rust. CZ Rem will continue to monitor and observe these areas.

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: STEFAN KLEMM Sheet 1 of 1

Title: PROJECT ENGINEER Date: 5/13/05

Time: 11:00 am

Verified By: _____ Date: _____

Title: _____

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 2nd Quarterly

Item Description		Condition*/Remarks
Access Road		
1.	Holes and Cracks	✓
2.	Vegetation Overgrowth	✓
3.	Settlement	✓
4.	Excessive Dispersion of Gravel	✓
5.	General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1
Title: Project Engineer — Date: 8/18/05
Time: 10:30

Verified By: Stefan Ken — Date: 8/24/05
Title: Project Engineer

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

	Item Description	Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	✓ - recently addressed
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 8/18/05

Time: 10:30

Verified By: Stefan Keeman — Date: 8/24/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

(x) Other (explain) Quarterly

( ) Heavy Rain

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals - Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection (1)		Comments/Corrective Action
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6.	Blower	
	- General Motor Maintenance	✓
	- Drive Maintenance	✓
	- Bearing Maintenance	✓
	- Lubrication	✓
	- Structural Maintenance	✓

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1
Title: Project Engineer — Date: 8/17/05
Time: 10:30

Verified By: Stefan Kern — Date: 8/24/05
Title: Project Engineer

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1]

( ) Other (explain) _____

Item Description	Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]	
1. Washouts or Erosion of Contoured Grade	✓
2. Ponding on Contoured Grade	✓
3. Gullies and Ruts on Contoured Grade	✓
4. Plugging of Drainage Culverts	✓
5. Holes and Cracks in Swales or Catch Basins	✓
6. Sediment Build-Up in Swales or Catch Basin	✓
7. Surface Cracking of Swales/Catch Basins	✓
8. Spalling of Swales/Catch Basins	✓
9. Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 8/18/05

Time: 1030

Verified By: Stefan Kern — Date: 8/24/05

Title: Project Engineer

Type of Inspection (check only one):

( ) Semi-annual

( ) Heavy Rainfall[2]

(x) Other (explain) Quarterly

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Christine Nerdel — Sheet 1 of 1
Title: Project Engineer — Date: 8/18/05
Time: 1030

Verified By: Stefa Klein — Date: 8/24/05
Title: Project Engineer

Type of Inspection (check only one):

(✓) Quarterly

( ) Other (explain) _____

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	✓
2.	Settlement Damage	✓
3.	Loose Posts/Tension	✓
4.	Rust/Corrosion	✓
5.	Ruts and Burrows Beneath Fence	✓
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	✓
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: Christine Neidel — Sheet 1 of)

Title: Project Engineer — Date: 8/18/05

Time: 10:30

Verified By: Stefan Klein — Date: 8/24/05

Title: Project Engineer

Type of Inspection (check only one):

(✓) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) 3rd Quarterly

Item Description		Condition*/Remarks
Access Road		
1.	Holes and Cracks	✓
2.	Vegetation Overgrowth	✓
3.	Settlement	✓
4.	Excessive Dispersion of Gravel	✓
5.	General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: Jeremy Touchy — Sheet 3 of 6

Title: Staff Engineer — Date: 10-17-05

Time: _____

Verified By: _____ — Date: _____

Title: _____

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item	Description	Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	several gopher holes
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

---

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: Jeremy Touchy — Sheet 2 of 6

Title: Staff Engineer — Date: 10-17-05

Time: _____

Verified By: _____ — Date: _____

Title: _____

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

( ) Other (explain) _____

(✓) Heavy Rain After

Collection System Valves		
1.	Adequate-Free Movement	✓
2.	Seals - Complete	✓
3.	Signs of Rust/Corrosion	✓
Condensate Collection (1)		Comments/Corrective Action
4.	Air Moisture Separator	✓
Carbon Adsorbers		
5.	Vessels	✓
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6. Blower	
- General Motor Maintenance	✓
- Drive Maintenance	✓
- Bearing Maintenance	✓
- Lubrication	✓
- Structural Maintenance	✓

Recommendations for maintenance or repair (attach additional sheets as needed):

—

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Jeremy Touchy — Sheet 6 of 6
Title: Staff Engineer — Date: 10-17-05
Time: _____
Verified By: _____ — Date: _____
Title: _____

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1]
(X) Other (explain) After Heavy Rain

Item Description		Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]		
1.	Washouts or Erosion of Contoured Grade	✓
2.	Ponding on Contoured Grade	✓
3.	Gullies and Ruts on Contoured Grade	✓
4.	Plugging of Drainage Culverts	✓
5.	Holes and Cracks in Swales or Catch Basins	✓
6.	Sediment Build-Up in Swales or Catch Basin	✓
7.	Surface Cracking of Swales/Catch Basins	✓
8.	Spalling of Swales/Catch Basins	✓
9.	Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

—

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Jeremy Torchy — Sheet 5 of 6

Title: Staff Engineer — Date: 10-17-05

Time: _____

Verified By: _____ — Date: _____

Title: _____

Type of Inspection (check only one):

( ) Semi-annual

(✓) Heavy Rainfall[2]

( ) Other (explain) _____

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	✓
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

—

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Jeremy Tarchy — Sheet 4 of 6
Title: Staff Engineer — Date: 10-17-05
Time: _____
Verified By: _____ — Date: _____
Title: _____

Type of Inspection (check only one):

( ) Quarterly

(X) Other (explain) After Heavy Rain

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	SE corner needs repair
2.	Settlement Damage	✓
3.	Loose Posts/Tension	✓
4.	Rust/Corrosion	✓
5.	Ruts and Burrows Beneath Fence	✓
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	✓
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

location is where south fence meets park main gate

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: Jeremy Touchy — Sheet 1 of 6

Title: Staff Engineer — Date: 10-17-05

Time: _____

Verified By: _____ — Date: _____

Title: _____

Type of Inspection (check only one):

( ) Quarterly ( ) After Seismic Event[1] (✓) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition*/Remarks
Access Road	
1. Holes and Cracks	few potholes (small)
2. Vegetation Overgrowth	ok ✓
3. Settlement	ok ✓
4. Excessive Dispersion of Gravel	ok ✓
5. General Signs of Deterioration	ok ✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

—

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

SUBSURFACE DRAINAGE INSPECTION FORM

Completed By: Audrey Chan | Sheet 1 of 1

Title: Project Engineer | Date: 11/10/05

Time: _____

Verified By: Wm H Cole | Date: 11/11/05

Title: PROJECT MANAGER

Type of Inspection (check only one):

( ) Semi-annual

( ) Heavy Rainfall[2]

( ) Other (explain) Quarterly

Item Description	Condition*/Remarks
SUBSURFACE DRAINAGE SYSTEMS	
1. Holes and Cracks in Swales, Catch Basin	✓
2. Plugging of Drainage Inlets	
3. Sediment Build-Up or Debris in Catch Basin	✓
4. Structural Failure of Catch Basin	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999).

DEL AMO WASTE PITS OU

COVER SYSTEM INSPECTION FORM

Completed By: Audrey Cohasis — Sheet 1 of 1
Title: Project Engineer — Date: 11/10/05
Time:
Verified By: Wm. H. Cole — Date: 11/11/05
Title: Project Manager

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item	Description	Condition*/Remarks
1.	Erosion	✓
2.	Stressed Vegetation (Plant Die-Back)	✓
3.	Sediment Build-Up	✓
4.	Local Subsidence or Loss of Grade	✓
5.	Water Ponding	✓
6.	Turf Height	✓
7.	Burrowing Animals	Gopher → Terminize
8.	Weeds or Undesirable Vegetation	✓
9.	Evidence of Fires or Vandalism	✓
10.	Soil Quality Check	✓
11.	Unauthorized Traffic	✓
12.	Slope Instability or Sloughing	✓
13.	Survey Monuments	✓
14.	Vertical Cracking	✓
15.	Intrusions	✓
16.	Evidence of Waste Pit Materials	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

Terminize is coming onsite every month

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the Waste Pits OU.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

DEL AMO WASTE PITS OU

CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

Completed By: Rodney Cohois — Sheet 1 of 2

Title: Project Engineer — Date: 11/10/05

Time: _____

Verified By: Wm. H. Cooke — Date: 11/11/05

Title: PROJECT MANAGER

Type of Inspection (check only one):

( ) Monthly ( ) Semi-Annual

( ) Other (explain) Quarterly

( ) Heavy Rain _____

Collection System Valves

1.	Adequate-Free Movement	✓
2.	Seals - Complete	✓
3.	Signs of Rust/Corrosion	✓

Condensate Collection (1)		Comments/Corrective Action
4.	Air Moisture Separator	✓

Carbon Adsorbers

5.	Vessels	✓
	- Exterior Damage	✓
	- FRP Grating and Mesh	✓

(1) Initial condensate collected from (1) the drainage system downstream of the valve vaults, and (2) from the carbon absorber vessels must be characterized to determine methods of appropriate disposal.

DEL AMO WASTE PITS OU
CAP GAS COLLECTION AND TREATMENT INSPECTION FORM

6. Blower ✓
   - General Motor Maintenance ✓
   - Drive Maintenance ✓
   - Bearing Maintenance ✓
   - Lubrication ✓
   - Structural Maintenance ✓

Recommendations for maintenance or repair (attach additional sheets as needed):

DEL AMO WASTE PITS OU

SURFACE WATER DRAINAGE INSPECTION FORM

Completed By: Audrey Celaya
Title: Project Engineer

Sheet 1 of 1
Date: 11/10/05
Time:

Verified By: Wm. H. Clarke
Title: PROJECT MANAGER

Date: 11/11/05

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1]

( ) Other (explain) _____

Item Description		Condition*/Remarks
SURFACE-WATER DRAINAGE SYSTEMS [2]		
1.	Washouts or Erosion of Contoured Grade	✓
2.	Ponding on Contoured Grade	✓
3.	Gullies and Ruts on Contoured Grade	✓
4.	Plugging of Drainage Culverts	✓
5.	Holes and Cracks in Swales or Catch Basins	✓
6.	Sediment Build-Up in Swales or Catch Basin	✓
7.	Surface Cracking of Swales/Catch Basins	✓
8.	Spalling of Swales/Catch Basins	✓
9.	Structural Failure of Swales/Catch Basins	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.
(2) Contoured grades, swales, and catch basins

DEL AMO WASTE PITS OU

SECURITY FENCE INSPECTION FORM

Completed By: Audrey Cehois
Title: Project engineer

Sheet 1 of 1
Date: 11/10/05
Time: _____

Verified By: Wm. H. C. C.
Title: PROJECT MANAGER

Date: 11/11/05

Type of Inspection (check only one):

(✓) Quarterly

( ) Other (explain) _____

Item Description		Condition*/Remarks
Perimeter Fence		
1.	Breaks and Holes	Park / Pits to replace
2.	Settlement Damage	✓
3.	Loose Posts/Tension	to be repaired
4.	Rust/Corrosion	//
5.	Ruts and Burrows Beneath Fence	Gophers → Terminize
6.	Vegetation Overgrowth	✓
7.	General Signs of Deterioration	to be repaired
8.	Vandalism/Animal/Wind Damage	✓
Gates		
9.	Adequate Movement of Hinges and Gates	✓
10.	Proper Function of Lock(s)	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets if more space is needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

Terminize is coming onsite every month

Fences repair are scheduled

DEL AMO WASTE PITS OU

ACCESS ROAD INSPECTION FORM

Completed By: Audrey Cehois — Sheet 1 of 1

Title: Engineer — Date: 11/10/05

Time: _____

Verified By: Wm. H. [illegible] — Date: 11/11/05

Title: Project Manager

Type of Inspection (check only one):

(X) Quarterly ( ) After Seismic Event[1] ( ) After Heavy Rain[2]

( ) Other (explain) _____

Item Description	Condition*/Remarks
Access Road	
1. Holes and Cracks	✓
2. Vegetation Overgrowth	✓
3. Settlement	✓
4. Excessive Dispersion of Gravel	✓
5. General Signs of Deterioration	✓

* Indicate satisfactory condition with a check; briefly describe conditions other than satisfactory; use additional sheets as needed.

Recommendations for maintenance or repair (attach additional sheets as needed):

See Swipe access road

(1) Refer to Table 3.3-2 of the OM&M Plan for frequency based on magnitude and distance from the site.

(2) For heavy rains exceeding 1.0 inches (per USEPA's letter dated December 6, 1999) within a 24-hour period.

APPENDIX B

2005 CAP GAS SYSTEM
BI-MONTHLY MONITORING FORMS

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: FIELD TECH — Date: 1.6.05

Time: _____

Verified By: Stefan Keen — Date: 2/7/05

Title: Project Engineer

(✓) Type of Monitoring Devices: PID

Weather Conditions: CLEAR — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) BIMONTHLY

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	2.6
2.	Outlet, Carbon Adsorber Vessel A (required)	2.4
3.	Outlet, Carbon Adsorber Vessel B (required)	2.3
4.	Blower Inlet (optional)	x
5.	Blower Outlet (required)	1.4

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: R Carroll
Title: FIELD TECHNICIAN

Sheet: 1 of 1
Date: 1.6.05
Time:

Verified By: S Stefan Kerman
Title: Project Engineer

Date: 2/7/05

Type of Monitoring Devices: PID / FLUKE MULTIMETER / AMP METER / VELOCICALC

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ ✓ } Other Frequency: BI MONTHLY

Air Velocity

	~~EPM~~ SCFM
1. System Inlet (Required)	162
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B (Optional)	/
4. Blower Outlet (Required)	158

Voltage

	Volts (V)
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.3
2. F2 Leg	123.3
3. F3 Leg	213.8
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.1
2. F2 Leg	122.1
3. F3 Leg	209.2

Amperage

	Amps (A)
1. F1 Leg	7.29
2. F2 Leg	7.0
3. F3 Leg	6.50

Temperature

	Temp (F°)
1. System Inlet (Required)	68
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B(Optional)	/
4. Blower Outlet (Required)	112

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: FIELD TECH — Date: 1.20.05

Time: _____

Verified By: Stefan Ke — Date: 2/7/05

Title: Project Engineer

(✓) Type of Monitoring Devices: PID

Weather Conditions: CLEAR — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) BIMONTHLY

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	3.6
2.	Outlet, Carbon Adsorber Vessel A (required)	2.5
3.	Outlet, Carbon Adsorber Vessel B (required)	2.2
4.	Blower Inlet (optional)	X
5.	Blower Outlet (required)	1.6

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: R CARRAL
Title: FIELD TECHNICIAN

Sheet: 1 of 1
Date: 1.20.05
Time: _____

Verified By: Stefan Ke
Title: Project Engineer

Date: 2/7/05

Type of Monitoring Devices: VELOCICALC / FLUKE

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{✓} Other Frequency: BI MONTHLY

	~~EPM~~ scfm
Air Velocity	
1. System Inlet (Required)	162
2. Outlet Carbon Adsorber Vessel A (Optional)	x
3. Outlet Carbon Adsorber Vessel B (Optional)	x
4. Blower Outlet (Required)	154
Voltage	
A. System "ON", Blower Motor "OFF"	Volts (V)
1. F1 Leg	123.4
2. F2 Leg	123.3
3. F3 Leg	210.1
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.3
2. F2 Leg	122.1
3. F3 Leg	209.4
Amperage	Amps (A)
1. F1 Leg	7.1
2. F2 Leg	6.9
3. F3 Leg	6.3
Temperature	Temp (F°)
1. System Inlet (Required)	68
2. Outlet Carbon Adsorber Vessel A (Optional)	x
3. Outlet Carbon Adsorber Vessel B(Optional)	x
4. Blower Outlet (Required)	122

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: R CARROLL
Title: F. TECHNICIAN

Sheet: 1 of 1
Date: 2-3-05
Time:

Verified By: Stefan Kern
Title: Project Engineer

Date: 2/7/05

Type of Monitoring Devices: FLUKE / VELOCICALC

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{✓} Other Frequency: BIMONTHLY

	~~FPM~~ scfm
Air Velocity	
1. System Inlet (Required)	156
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B (Optional)	/
4. Blower Outlet (Required)	117.5

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.9
2. F2 Leg	124
3. F3 Leg	211.3
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123
2. F2 Leg	122.9
3. F3 Leg	210.1

	Amps (A)
Amperage	
1. F1 Leg	7.14
2. F2 Leg	6.9
3. F3 Leg	6.3

	Temp (F°)
Temperature	
1. System Inlet (Required)	68
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B(Optional)	/
4. Blower Outlet (Required)	120

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: R Carroll Sheet 1 of 1

Title: FIELD TECH Date: 2-3-05

Time: _____

Verified By: Stefan Ke Date: 2/7/05

Title: Project Engineer

(✓) Type of Monitoring Devices: PID

Weather Conditions: CLEAR 70 Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) BI MONTHLY

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	4.1
2.	Outlet, Carbon Adsorber Vessel A (required)	3.2
3.	Outlet, Carbon Adsorber Vessel B (required)	1.8
4.	Blower Inlet (optional)	/
5.	Blower Outlet (required)	1.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: R CARROLL
Title: F TECHNICIAN

Sheet: 1 of 1
Date: 2-17-05
Time:

Verified By: Stefan Kerekes
Title: Project Engineer

Date: 3/10/05

Type of Monitoring Devices:
FLUKE / VELOCICALC

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{X} Other Frequency: BIMONTHLY

	FPM
Air Velocity	
1. System Inlet (Required)	163
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B (Optional)	/
4. Blower Outlet (Required)	157

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.5
2. F2 Leg	124.4
3. F3 Leg	213.1
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.4
2. F2 Leg	123.2
3. F3 Leg	211.7

	Amps (A)
Amperage	
1. F1 Leg	2.5
2. F2 Leg	6.86
3. F3 Leg	6.50

	Temp (F°)
Temperature	
1. System Inlet (Required)	64
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B(Optional)	/
4. Blower Outlet (Required)	118

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: F TECHNICIAN — Date: 2-17-05

Time: _____

Verified By: Steve Ko — Date: 3/10/05

Title: Project Engineer

(X) Type of Monitoring Devices: PID

Weather Conditions: CLOUDY — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) BI MONTHLY

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports

			VOCs (ppm)
1.	System Inlet (required)	0.8	0
2.	Outlet, Carbon Adsorber Vessel A (required)	0.2	0.4
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4	0.2
4.	Blower Inlet (optional)	X	X
5.	Blower Outlet (required)	0	0.8

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: R CARROLL
Title: _____

Sheet: 1 of 1
Date: 3-3-05
Time: _____

Verified By: Steve Kee
Title: Project Engineer

Date: 3/10/05

Type of Monitoring Devices: FLUKE / VELOCICALC

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ / } Other Frequency: BI-MONTHLY

	FPM
Air Velocity	
1. System Inlet (Required)	173
2. Outlet Carbon Adsorber Vessel A (Optional)	/
3. Outlet Carbon Adsorber Vessel B (Optional)	/
4. Blower Outlet (Required)	168

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.9
2. F2 Leg	123.8
3. F3 Leg	211.5
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.8
2. F2 Leg	122.5
3. F3 Leg	210.0

	Amps (A)
Amperage	
1. F1 Leg	7.25
2. F2 Leg	7.04
3. F3 Leg	6.47

	Temp (F°)
Temperature	
1. System Inlet (Required)	68
2. Outlet Carbon Adsorber Vessel A (Optional)	-
3. Outlet Carbon Adsorber Vessel B(Optional)	-
4. Blower Outlet (Required)	122

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: R CARROLL — Sheet 1 of 1

Title: F TECH — Date: 3.3.05

Time: _____

Verified By: Stefan Kee — Date: 3/10/05

Title: Project Engineer

(✓) Type of Monitoring Devices: PID

Weather Conditions: CLOUDY — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) BI MONTHLY

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	2.9
2.	Outlet, Carbon Adsorber Vessel A (required)	2.4
3.	Outlet, Carbon Adsorber Vessel B (required)	2.0
4.	Blower Inlet (optional)	✓
5.	Blower Outlet (required)	1.8

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Neidel
Title: Project Engineer

Sheet: 1 of 1
Date: 3/17/05
Time: 11:30

Verified By: Suja Kesa
Title: Project Engineer

Date: 4/18/05

Type of Monitoring Devices: Velocudc, FLK

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ X} Other Frequency: Bimonthly

	~~FPM~~ scfm
Air Velocity	
1. System Inlet (Required)	165
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	155

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	~~122.5~~ 123.8
2. F2 Leg	~~122.6~~ 123.7
3. F3 Leg	~~209.6~~ 211.3
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.5
2. F2 Leg	122.6
3. F3 Leg	209.6

	Amps (A)
Amperage	
1. F1 Leg	7.33
2. F2 Leg	7.06
3. F3 Leg	6.79

	Temp (F°)
Temperature	
1. System Inlet (Required)	72
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	112

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 3/17/05

Time: 11:30

Verified By: Steve Kee — Date: 4/18/05

Title: Project Engineer

(a) Type of Monitoring Devices: PID-Photovac

Weather Conditions: 68° overcast — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(d) Other Frequency (explain) Bimonthly

Vessel Operation:

(a) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	7.2
2.	Outlet, Carbon Adsorber Vessel A (required)	2.9
3.	Outlet, Carbon Adsorber Vessel B (required)	
4.	Blower Inlet (optional)	1.8
5.	Blower Outlet (required)	2.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

Will be monitored again Monday 3/21/05

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: RC Sheet 1 of 1

Title: _____ Date: 3/21/05

Time: _____

Verified By: _____ Date: _____

Title: _____

( ) Type of Monitoring Devices: _____

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) Remainder GCTS following abnormal Readings on 3/17/05

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	9.5
2.	Outlet, Carbon Adsorber Vessel A (required)	9.9
3.	Outlet, Carbon Adsorber Vessel B (required)	9.0
4.	Blower Inlet (optional)	—
5.	Blower Outlet (required)	5.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christina Neidel
Title: Project Engineer

Sheet: 1 of 1
Date: ~~4~~ 3/31/05
Time: 1130
Date: ~~4/30/05~~

Verified By: Stefan Kee
Title: Project Engineer

Type of Monitoring Devices: Photovac MiD, F/V16 Multimeter, Velocicalc

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{x} Other Frequency: Bimonthly

	~~FPM~~ SCFM
Air Velocity	
1. System Inlet (Required)	148
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	131

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	125.3
2. F2 Leg	125.1
3. F3 Leg	212.3
B. System "ON", Blower Motor "ON"	
1. F1 Leg	124.1
2. F2 Leg	124.0
3. F3 Leg	211.3

	Amps (A)
Amperage	
1. F1 Leg	7.14
2. F2 Leg	6.91
3. F3 Leg	6.24

	Temp (F°)
Temperature	
1. System Inlet (Required)	72
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	140

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Neidl — Sheet 1 of 1

Title: Project Engineer — Date: 3/31/05

Time: 1130

Verified By: Stefan Keeman — Date: 4/10/05

Title: Project Engineer

(x) Type of Monitoring Devices: Photovac PID

Weather Conditions: 75° Sunny — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(x) Other Frequency (explain) Bimonthly

Vessel Operation:

(x) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	1.6
2.	Outlet, Carbon Adsorber Vessel A (required)	1.7
3.	Outlet, Carbon Adsorber Vessel B (required)	16.1
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	2.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

System should be remonitored

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Meidel — Sheet 1 of 1

Title: Project Engineer — Date: 4/4/05

Time: 1130

Verified By: Stefan Ka — Date: 4/18/05

Title: Project Engineer

( ) Type of Monitoring Devices: Photovac PIDs

Weather Conditions: 70° — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

( ) Other Frequency (explain) Bimonthly Follow-up

Vessel Operation:

( ) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		385 VOCs (ppm)	311 VOCs (ppm)	Minirae VOCs (ppm)
1.	System Inlet (required)	1.5	3.8	0.9
2.	Outlet, Carbon Adsorber Vessel A (required)	3.9	7.9	0.9
3.	Outlet, Carbon Adsorber Vessel B (required)	6.4	10.6	0.8
4.	Blower Inlet (optional)	___	—	—
5.	Blower Outlet (required)	1.5	1.2	1.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

System will be remonitored

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Cohan
Title: _____

Sheet: 1 of 1
Date: 4/15/05
Time: _____

Verified By: Stefan K
Title: Project Engineer

Date: 5/16/05

Type of Monitoring Devices: Flow : Velocical Plus (4" pipe)
Temperature : Inline Gauge
Amp / Volt : Fluke Multimeter

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{x} Other Frequency: bimonthly

	~~FPM~~ scfm
Air Velocity	
1. System Inlet (Required)	145
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	122

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	125.4
2. F2 Leg	125.4
3. F3 Leg	212.7
B. System "ON", Blower Motor "ON"	
1. F1 Leg	124.1
2. F2 Leg	123.9
3. F3 Leg	211.3

	Amps (A)
Amperage	
1. F1 Leg	7.12
2. F2 Leg	6.93
3. F3 Leg	6.23

	Temp (F°)
Temperature	
1. System Inlet (Required)	70
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	132

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Chan — Sheet 1 of 1

Title: _____ — Date: 4/15/2005

Time: 14:20

Verified By: Sufa Kan — Date: 5/16/05

Title: Project Engineer

( ) Type of Monitoring Devices: RamiRae 2000

Weather Conditions: Clear, 70°F — Barometric Pressure: high

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.7
2.	Outlet, Carbon Adsorber Vessel A (required)	1.2
3.	Outlet, Carbon Adsorber Vessel B (required)	0.3
4.	Blower Inlet (optional)	___
5.	Blower Outlet (required)	0.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Nedw
Title: Project Engineer

Sheet: 1 of 1
Date: 4/28/05
Time: _____
Date: 5/16/05

Verified By: _____
Title: Project Engineer

Type of Monitoring Devices: Fluke Multimeter
Velocicalc Plus

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ X } Other Frequency: Bimonthly

	FPM sdm
Air Velocity	
1. System Inlet (Required)	74
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	130

	Volts (V)	
Voltage		
A. System "ON", Blower Motor "OFF"		
1. F1 Leg	~~123.0~~	124.3
2. F2 Leg	~~122.9~~	124.2
3. F3 Leg	~~209.7~~	211.0
B. System "ON", Blower Motor "ON"		
1. F1 Leg	123.0	
2. F2 Leg	122.9	
3. F3 Leg	209.7	

	Amps (A)
Amperage	
1. F1 Leg	7.05
2. F2 Leg	6.84
3. F3 Leg	6.28

	Temp (F°)
Temperature	
1. System Inlet (Required)	74
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	84
4. Blower Outlet (Required)	130

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 4/28/05

Time: _____

Verified By: Stefan Kern — Date: 5/16/05

Title: Project Engineer

(X) Type of Monitoring Devices: MiniRae

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.6
2.	Outlet, Carbon Adsorber Vessel A (required)	0.3
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	0.4

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Cohorb — Sheet 1 of 1

Title: Project Engineer — Date: 5/17/2005

Time: _____

Verified By: Stefan Keenan — Date: 6/22/05

Title: Project Engineer

( ) Type of Monitoring Devices: RaniRae 2000

Weather Conditions: Clear, 70°F — Barometric Pressure: High

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.9
2.	Outlet, Carbon Adsorber Vessel A (required)	1.9
3.	Outlet, Carbon Adsorber Vessel B (required)	0.8
4.	Blower Inlet (optional)	___
5.	Blower Outlet (required)	0.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Cehovic
Title: Project engineer

Sheet: 1 of 1
Date: 5/17 monitoring
Time:

Verified By: Steve Ken
Title: Project Engineer

Date: 6/22/05

Type of Monitoring Devices: Flow: Velocicalc Plus (4" pipe 6)
Temperature: infrared gauge, Amp/Volt: Fluke Multimeter
VOCs: MiniRae 2000

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{X} Other Frequency: bimonthly

Air Velocity Flow	~~FPM~~ SCFM
1. System Inlet (Required)	140
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	160
Voltage	
A. System "ON", Blower Motor "OFF"	Volts (V)
1. F1 Leg	~~123~~ 112.5
2. F2 Leg	~~122~~ 113.5
3. F3 Leg	~~210~~ 209.5
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.1
2. F2 Leg	122.9
3. F3 Leg	210.4
Amperage	Amps (A)
1. F1 Leg	7.04
2. F2 Leg	6.89
3. F3 Leg	6.56
Temperature	Temp (F°)
1. System Inlet (Required)	76
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	/

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Neidel — Sheet 1 of 1

Title: Project Engineer — Date: 5/26/05

Time: _____

Verified By: Stefan Ka — Date: 6/22/05

Title: Project Engineer

(X) Type of Monitoring Devices: Mini Rae

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.8
2.	Outlet, Carbon Adsorber Vessel A (required)	0.3
3.	Outlet, Carbon Adsorber Vessel B (required)	0.2
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	0.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Nedel
Title: Project Engineer

Sheet: 1 of 1
Date: 5/26/05
Time: 1200

Verified By: Steve Ken
Title: Project Engineer

Date: 6/22/05

Type of Monitoring Devices: Fluke Multimeter, Velocicalc

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Bimonthly

	~~FPM~~ scfm
Air Velocity	
1. System Inlet (Required)	134.5
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	135

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.8
2. F2 Leg	124.9
3. F3 Leg	212.4
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.8
2. F2 Leg	123.7
3. F3 Leg	211.2

	Amps (A)
Amperage	
1. F1 Leg	7.06
2. F2 Leg	6.92
3. F3 Leg	6.27

	Temp (F°)
Temperature	
1. System Inlet (Required)	79
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	140

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Nuedel — Sheet 1 of 1

Title: Project Engineer — Date: 6/2/05

Time: _____

Verified By: Stefan Kear — Date: 6/22/05

Title: Project Engineer

(A) Type of Monitoring Devices: MiniRae

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(A) Other Frequency (explain) Bimonthly

Vessel Operation:

(A) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.9
2.	Outlet, Carbon Adsorber Vessel A (required)	0.5
3.	Outlet, Carbon Adsorber Vessel B (required)	0.2
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	0.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Neidel
Title: Project Engineer

Sheet: 1 of 1
Date: 6/2/05
Time: 11:30
Date: 6/22/05

Verified By: Stefan Ke
Title: Project Engineer

Type of Monitoring Devices: Fluke Multimeter, Velocicalc

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ X } Other Frequency: Bimonthly

	FPM ~~scfm~~
Air Velocity	
1. System Inlet (Required)	135
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	142

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	122.1
2. F2 Leg	122.0
3. F3 Leg	210.8
B. System "ON", Blower Motor "ON"	
1. F1 Leg	120.8
2. F2 Leg	120.6
3. F3 Leg	208.9

	Amps (A)
Amperage	
1. F1 Leg	7.10
2. F2 Leg	7.00
3. F3 Leg	6.36

	Temp (F°)
Temperature	
1. System Inlet (Required)	74
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	128

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Neidl — Sheet 1 of 1

Title: Project Engineer — Date: 6/16/05

Time: 1:15

Verified By: Stefan Kern — Date: 6/22/05

Title: Project Engineer

( ) Type of Monitoring Devices: Mini Rae (1)

Weather Conditions: 78° Sunny — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.0
2.	Outlet, Carbon Adsorber Vessel A (required)	0.0
3.	Outlet, Carbon Adsorber Vessel B (required)	0.0
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	0.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Nedel
Title: Project Engineer

Sheet: 1 of 1
Date: 6/16/05
Time: 1:15
Date: 6/22/05

Verified By: Stephen Kee
Title: Project Engineer

Type of Monitoring Devices: Velocicalc Plus, FLK Multimeter

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ X } Other Frequency: Bimonthly

	~~FPM~~ scfm
Air Velocity	
1. System Inlet (Required)	128
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	149

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.3
2. F2 Leg	124.7
3. F3 Leg	211.4
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.6
2. F2 Leg	123.4
3. F3 Leg	210.1

	Amps (A)
Amperage	
1. F1 Leg	7.03
2. F2 Leg	6.94
3. F3 Leg	6.28

	Temp (F°)
Temperature	
1. System Inlet (Required)	76
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	130

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Neidl — Sheet 1 of 1

Title: Project Engineer — Date: 6/30/05

Time: 1115

Verified By: Stefan Klemm — Date: 7/28/05

Title: Project Engineer

(X) Type of Monitoring Devices: MiniRae

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.0
2.	Outlet, Carbon Adsorber Vessel A (required)	0.1
3.	Outlet, Carbon Adsorber Vessel B (required)	0.0
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	0.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Neidel
Title: Project Engineer

Sheet: 1 of 1
Date: 6/30/05
Time: 1115
Date: 7/28/05

Verified By: Stefan Klemm
Title: Project Engineer

Type of Monitoring Devices: Velocicalc, Fluke

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ X } Other Frequency: Bimonthly

	~~FPM~~ SCFM
Air Velocity	
1. System Inlet (Required)	140
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	136.5

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.4
2. F2 Leg	124.4
3. F3 Leg	211.3
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.6
2. F2 Leg	123.4
3. F3 Leg	210.2

	Amps (A)
Amperage	
1. F1 Leg	7.02
2. F2 Leg	6.94
3. F3 Leg	6.29

	Temp (F°)
Temperature	
1. System Inlet (Required)	81
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	140

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Christine Nedel — Sheet 1 of 1

Title: Project Engineer — Date: 7/14/05

Time: _____

Verified By: Stefan Kleman — Date: 7/28/05

Title: Project Engineer

(X) Type of Monitoring Devices: Mini Rae PID (1)

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.3
2.	Outlet, Carbon Adsorber Vessel A (required)	0.1
3.	Outlet, Carbon Adsorber Vessel B (required)	0.1
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	0.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Christine Nedel
Title: Project Engineer

Sheet: 1 of 1
Date: 7/14/05
Time: _____
Date: 7/28/05

Verified By: Stefan Klemm
Title: Project Engineer

Type of Monitoring Devices: Velocicalc, Fluke

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ x} Other Frequency: Bimonthly

	~~FPM~~ scfm
Air Velocity	
1. System Inlet (Required)	140
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	130.5

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.3
2. F2 Leg	124.6
3. F3 Leg	211.5
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.6
2. F2 Leg	123.3
3. F3 Leg	210.1

	Amps (A)
Amperage	
1. F1 Leg	7.02
2. F2 Leg	6.84
3. F3 Leg	6.31

	Temp (F°)
Temperature	
1. System Inlet (Required)	84
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	140

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Echols — Sheet 1 of 1

Title: Project Engineer — Date: 7/28/2005

Time: _____

Verified By: Stefan Kern — Date: 8/9/05

Title: Project Engineer

( ) Type of Monitoring Devices: RaeMiniRae 2000 PID (1)

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.4
2.	Outlet, Carbon Adsorber Vessel A (required)	0.2
3.	Outlet, Carbon Adsorber Vessel B (required)	0.2
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	0.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Cehan
Title: Project Engineer

Sheet: 1 of 1
Date: 7/28/2005
Time: _____
Date: _____

Verified By: _____
Title: _____

Type of Monitoring Devices: ~~Rumi Rae 2000 PID (T)~~ Velocicalc Plus, Fluke multimeter

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{X} Other Frequency: Bimonthly

Air Velocity	~~FPM~~ SCFM
1. System Inlet (Required)	131
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	127
Voltage	
A. System "ON", Blower Motor "OFF"	Volts (V)
1. F1 Leg	~~124.9~~
2. F2 Leg	124.8
3. F3 Leg	210.8
B. System "ON", Blower Motor "ON"	
1. F1 Leg	124.0
2. F2 Leg	123.6
3. F3 Leg	209.3
Amperage	Amps (A)
1. F1 Leg	NR
2. F2 Leg	NR
3. F3 Leg	NR
Temperature	Temp (F°)
1. System Inlet (Required)	86
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	146

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Cabada — Sheet 1 of 1

Title: _____ — Date: 8/11/2005

Time: _____

Verified By: Stefan Klemm — Date: 8/24/05

Title: Project Engineer

( ) Type of Monitoring Devices: RaeMini Rae 2000 PID

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.4
2.	Outlet, Carbon Adsorber Vessel A (required)	0.2
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4
4.	Blower Inlet (optional)	___
5.	Blower Outlet (required)	0.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Cehan
Title: _____

Sheet: 1 of 1
Date: 8/11/2005
Time: _____

Verified By: Steve K
Title: Project Engineer

Date: 8/24/05

Type of Monitoring Devices: ~~Dwyer Rae 2000 PID~~ Velocicalc Plus Flube Rotameter, Inline Temp gauge

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: _____

	~~FPM~~ SCFM
Air Velocity	
1. System Inlet (Required)	131
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	145

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	125.6
2. F2 Leg	125.6
3. F3 Leg	211.2
B. System "ON", Blower Motor "ON"	
1. F1 Leg	124.3
2. F2 Leg	124.3
3. F3 Leg	209.7

	Amps (A)
Amperage	
1. F1 Leg	6.95
2. F2 Leg	6.96
3. F3 Leg	5.96

	Temp (F°)
Temperature	
1. System Inlet (Required)	98
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	146

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Andrey Cotois
Title: _____

Sheet: 1 of 1
Date: 8/25/05
Time: _____

Verified By: Stfan Kerr
Title: Project Engineer

Date: 9/19/05

Type of Monitoring Devices: _____
Velocicalc Plus
Fluke Multi Meter, Inline Temp Gauge

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{X} Other Frequency: Bi-monthly

	~~FPM~~ SCFM
Air Velocity	
1. System Inlet (Required)	135
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	120

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.4
2. F2 Leg	124.5
3. F3 Leg	211.3
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.4
2. F2 Leg	123.3
3. F3 Leg	209.9

	Amps (A)
Amperage	
1. F1 Leg	7.00
2. F2 Leg	6.84
3. F3 Leg	6.24

	Temp (F°)
Temperature	
1. System Inlet (Required)	88
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	147

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Andrey Cetos Sheet 1 of 1

Title: _____ Date: 8/25/05

Time: _____

Verified By: Stacy Ko Date: 9/12/05

Title: _____

( ) Type of Monitoring Devices: Mini Rae 2000 PID

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bi-monthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.6
2.	Outlet, Carbon Adsorber Vessel A (required)	0.2
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	0.6

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Jeremy Tandy
Title: _____

Sheet: 1 of 1
Date: 9/8/05
Time: _____

Verified By: Stephen K.
Title: _____

Date: 9/15/05

Type of Monitoring Devices: velocicalc Plus
flulce multimeter, inline temp gauge

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: bi-monthly

	~~FPM~~ ft³/s
Air Velocity	
1. ~~System Inlet (Required)~~	129
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	159.5

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.9
2. F2 Leg	123.8
3. F3 Leg	241.8
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.8
2. F2 Leg	122.6
3. F3 Leg	240.3

	Amps (A)
Amperage	
1. F1 Leg	7.14
2. F2 Leg	6.86
3. F3 Leg	6.37

	Temp (F°)
Temperature	
1. System Inlet (Required)	93
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	102

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Jeremy Tandy Sheet 1 of 1

Title: ______ Date: 9/8/05

Time: ______

Verified By: Stefan Kle Date: 9/13/05

Title: ______

( ) Type of Monitoring Devices: Mini Rae 2000 PID

Weather Conditions: ______ Barometric Pressure: ______

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✗) Other Frequency (explain) Bi Monthly

Vessel Operation:

( ) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.6
2.	Outlet, Carbon Adsorber Vessel A (required)	0.3
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	0.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Jeremy Torchy
Title:

Sheet: 1 of 1
Date: 9/22/05
Time:

Verified By: Audrey Cohen
Title: Project Engineer

Date: 09/26/05

Type of Monitoring Devices: velocicalc plus
fluke multimeter, inline temperature gauge

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Bi-monthly

	FPM SCFM
Air Velocity	
1. System Inlet (Required)	125
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	135

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.5
2. F2 Leg	123.5
3. F3 Leg	212.2
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.2
2. F2 Leg	122.2
3. F3 Leg	210.2

	Amps (A)
Amperage	
1. F1 Leg	7.15
2. F2 Leg	7.00
3. F3 Leg	6.26

	Temp (F°)
Temperature	
1. System Inlet (Required)	82
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	132

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Jeremy Touchy — Sheet ____ of ____

Title: _____ — Date: 9/22/05

Time: _____

Verified By: Audrey Choi — Date: 09/26/05

Title: Project Engineer

( ) Type of Monitoring Devices: Mini Rae 2000 PID

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bi-monthly

Vessel Operation:

( ) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	4.1
2.	Outlet, Carbon Adsorber Vessel A (required)	9.9
3.	Outlet, Carbon Adsorber Vessel B (required)	16.6
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	16.0

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Celois
Title: Project Engineer

Sheet: 1 of 1
Date: 10/06/2005
Time:
Date: 11/11/2005

Verified By: Wm. H. C[illegible]
Title: PROJECT MANAGER

Type of Monitoring Devices: Velocicalc Plus, Inclime Gauge, Fluke Multimeter

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Semi Monthly

	~~EPM~~ SCFM
Air Velocity	
1. System Inlet (Required)	150
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	120

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	~~123~~
2. F2 Leg	122.7
3. F3 Leg	210
B. System "ON", Blower Motor "ON"	
1. F1 Leg	124.2
2. F2 Leg	124.2
3. F3 Leg	218

	Amps (A)
Amperage	
1. F1 Leg	7.04
2. F2 Leg	6.78
3. F3 Leg	6.31

	Temp (F°)
Temperature	
1. System Inlet (Required)	94
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	145

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Cohen Sheet 1 of 1

Title: Project Engineer Date: 10/06/2005

Time: _____

Verified By: _____ Date: _____

Title: _____

( ) Type of Monitoring Devices: PID(4)

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

( ) Other Frequency (explain) Bimonthly

Vessel Operation:

(x) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.7
2.	Outlet, Carbon Adsorber Vessel A (required)	0.7
3.	Outlet, Carbon Adsorber Vessel B (required)	0.6
4.	Blower Inlet (optional)	___
5.	Blower Outlet (required)	0.6

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Jeremy Tarchy Sheet 1 of 1

Title: Staff Engineer Date: 10-20-05

Time: _____

Verified By: Audrey Cabaia Date: 11/8/05

Title: Project Engineer

(X) Type of Monitoring Devices: Mini Rae 2000 (1)

Weather Conditions: _____ Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly Monitoring

Vessel Operation:

( ) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.6
2.	Outlet, Carbon Adsorber Vessel A (required)	0.9
3.	Outlet, Carbon Adsorber Vessel B (required)	2.1
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	2.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Ryan Teexon
Title: Technician

Verified By: Audrey Cchab
Title: Project Engineer

Sheet: _____ of _____
Date: 10/20/2005
Time: ~~[illegible]~~ 10:42
Date: 11/8/2005

Type of Monitoring Devices: ~~MINI RAE 2000 (PID)~~, ______, VELOCICALC PLUS
FLUKE Multi Meter

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: ____________

Air Velocity

	FPM
1. System Inlet (Required)	
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	

Voltage

	Volts (V)
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	122.6
2. F2 Leg	122.6
3. F3 Leg	209.6
B. System "ON", Blower Motor "ON"	
1. F1 Leg	121.6
2. F2 Leg	121.4
3. F3 Leg	208.1

Amperage

	Amps (A)
1. F1 Leg	0.1
2. F2 Leg	0.1
3. F3 Leg	0.1

SYSTEM RUNNING FINE, BUT 300 mA FUSE ON FLUKE WAS BURNED OUT

Temperature

	Temp (F°)
1. System Inlet (Required)	78
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	97.3

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Celeis — Sheet 1 of 1

Title: Project Engineer — Date: 11/04/05

Time: _____

Verified By: Wm. H. Cole — Date: 11/11/05

Title: PROJECT MANAGER

( ) Type of Monitoring Devices: RaeMini 2000 PID

Weather Conditions: Overcast — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(X) Other Frequency (explain) Bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.3
2.	Outlet, Carbon Adsorber Vessel A (required)	0.5
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	0.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Cebas
Title: Project Engineer

Sheet: 1 of 1
Date: 11/04/05
Time: _____
Date: _____

Verified By: Wm. H. Cole
Title: PROJECT MANAGER

Type of Monitoring Devices: Velocicalc Plus
Fluke Multimeter
Inclime Gauge

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Bimonthly

Air Velocity

	FPM SCFM
1. System Inlet (Required)	130
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	178

Voltage

	Volts (V)
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.0
2. F2 Leg	123.0
3. F3 Leg	211.0
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.5
2. F2 Leg	122.4
3. F3 Leg	209.5

Amperage

	Amps (A)
1. F1 Leg	6.98
2. F2 Leg	6.85
3. F3 Leg	6.72

Temperature

	Temp (F°)
1. System Inlet (Required)	72
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	120

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: RT, UT — Sheet 1 of 1

Title: FIELD TECHNICIAN, STAFF ENGINEER — Date: 11/16/2005

Time: _____

Verified By: Audrey Cohen — Date: 11/22/05

Title: Project Engineer

( ) Type of Monitoring Devices: PID, VELOCICALC, FLUKE MULTIMETER

Weather Conditions: CLEAR — Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) BI MONTHLY MONITORING

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.6
2.	Outlet, Carbon Adsorber Vessel A (required)	0.5
3.	Outlet, Carbon Adsorber Vessel B (required)	0.4
4.	Blower Inlet (optional)	—
5.	Blower Outlet (required)	0.4

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: RT, JT
Title: FIELD TECHNICIAN, STAFF ENGINEER

Sheet: 1 of 1
Date: 11/16/2005
Time:

Verified By: Audrey Cohen
Title: Engineer

Date: 11/22/05

Type of Monitoring Devices: PID, VELOCICALC, FLUKE MULTIMETER

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{✓} Other Frequency: BIMONTHLY

Air Velocity	~~FPM~~ SCFM
1. System Inlet (Required)	148
2. Outlet Carbon Adsorber Vessel A (Optional)	—
3. Outlet Carbon Adsorber Vessel B (Optional)	—
4. Blower Outlet (Required)	167.5

Voltage	Volts (V)
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.2
2. F2 Leg	124.2
3. F3 Leg	211.9
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.4
2. F2 Leg	123.2
3. F3 Leg	210.5

Amperage	Amps (A)
1. F1 Leg	7.10
2. F2 Leg	6.96
3. F3 Leg	6.46

Temperature	Temp (F°)
1. System Inlet (Required)	74.0
2. Outlet Carbon Adsorber Vessel A (Optional)	—
3. Outlet Carbon Adsorber Vessel B(Optional)	—
4. Blower Outlet (Required)	128.0

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Jeremy Tandy
Title: Staff Engineer
Sheet 1 of 1
Date: 12-1-05
Time: _____

Verified By: Audrey Celeir
Title: Project Engineer
Date: 12/05/05

(X) Type of Monitoring Devices: Mini Rae 2000 (1)
Weather Conditions: partly cloudy Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly
( ) Monthly
(X) Other Frequency (explain) Bi-Monthly

Vessel Operation:

(X) Series, Vessel A to Vessel B
( ) Series, Vessel B to Vessel A
( ) Parallel
( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.2
2.	Outlet, Carbon Adsorber Vessel A (required)	0.2
3.	Outlet, Carbon Adsorber Vessel B (required)	0.3
4.	Blower Inlet (optional)	
5.	Blower Outlet (required)	0.3

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

Rick Lane requested confirmation samples to be taken: Port VOC
Inlet 0.3
C1 0.2
C2
Outlet 0.3
0.3

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Jeremy Touchy
Title: Staff Engineer

Sheet: 1 of 1
Date: 12-1-05
Time:

Verified By: Audrey Cehorb
Title: Project Engineer

Date: 12/05/05

Type of Monitoring Devices: ~~Mini Rae~~ Velocicalc, Fluke multimeter
Temp measured w/ inline gauge

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{X} Other Frequency: Bi Monthly Monitoring

	~~FPM~~ ft^3/min
Air Velocity	
1. System Inlet (Required)	143.0
2. Outlet Carbon Adsorber Vessel A (Optional)	—
3. Outlet Carbon Adsorber Vessel B (Optional)	—
4. Blower Outlet (Required)	168.5

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	124.6
2. F2 Leg	124.6
3. F3 Leg	210.0
B. System "ON", Blower Motor "ON"	
1. F1 Leg	123.3
2. F2 Leg	123.4
3. F3 Leg	208.5

	Amps (A)
Amperage	
1. F1 Leg	7.29
2. F2 Leg	7.15
3. F3 Leg	6.12

	Temp (F°)
Temperature	
1. System Inlet (Required)	70°
2. Outlet Carbon Adsorber Vessel A (Optional)	—
3. Outlet Carbon Adsorber Vessel B(Optional)	—
4. Blower Outlet (Required)	120°

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: RYAN TEXOR

Title: FIELD TECH

Sheet 1 of 1

Date: 12/14/2005

Time: _____

Verified By: Audrey Cebar

Title: Project Engineer

Date: 12/29/2005

( ) Type of Monitoring Devices: PID (1)

Weather Conditions: ~65°F

Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly

( ) Monthly

(✓) Other Frequency (explain) BIMONTHLY

Vessel Operation:

(✓) Series, Vessel A to Vessel B

( ) Series, Vessel B to Vessel A

( ) Parallel

( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.1
2.	Outlet, Carbon Adsorber Vessel A (required)	0.3
3.	Outlet, Carbon Adsorber Vessel B (required)	0.2
4.	Blower Inlet (optional)	____
5.	Blower Outlet (required)	0.2

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: RYAN TEOXON
Title: FIELD TECH

Sheet: 1 of 1
Date: 12/14/2005
Time:

Verified By: Audrey Cahoil
Title: Project Engineer

Date: 12/29/2005

Type of Monitoring Devices: PID (), VELOCICALC, FLUKE MULTIMETER

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{✓} Other Frequency: BI MONTHLY

	FPM
Air Velocity	
1. System Inlet (Required)	135
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	175

	Volts (V)
Voltage	
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	123.8
2. F2 Leg	123.5
3. F3 Leg	211.6
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.6
2. F2 Leg	122.9
3. F3 Leg	209.9

	Amps (A)
Amperage	
1. F1 Leg	7.38
2. F2 Leg	7.18
3. F3 Leg	6.58

	Temp (F°)
Temperature	
1. System Inlet (Required)	62
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	98

DEL AMO WASTE PITS OU

CAP GAS SYSTEM MONITORING FORM

Completed By: Audrey Cabrera
Title: Project Engineer

Sheet 1 of 1
Date: 12/29/2005
Time: _____

Verified By: Bill Cote
Title: PROJECT MANAGER

Date: 1/16/2006

( ) Type of Monitoring Devices: Dimi Rae 2000 (i)
Weather Conditions: Overcast Barometric Pressure: _____

Type of Inspection (check only one):

( ) Daily ( ) Weekly
( ) Monthly
(X) Other Frequency (explain) bimonthly

Vessel Operation:

(X) Series, Vessel A to Vessel B
( ) Series, Vessel B to Vessel A
( ) Parallel
( ) One Vessel (A) or (B)

Sample Ports		VOCs (ppm)
1.	System Inlet (required)	0.9
2.	Outlet, Carbon Adsorber Vessel A (required)	0.7
3.	Outlet, Carbon Adsorber Vessel B (required)	0.9
4.	Blower Inlet (optional)	___
5.	Blower Outlet (required)	1.1

Comments, Maintenance, or Corrective Action (attach additional sheets if required):

DEL AMO WASTE PITS OU
CAP GAS SYSTEM MECHANICAL PROCESS MONITORING FORM

Completed By: Audrey Chavis
Title: Project Engineer

Sheet: 1 of 1
Date: 12/29/2005
Time:

Verified By: Bill Cobb
Title: PROJECT MANAGER

Date: 1/16/2006

Type of Monitoring Devices: Velometer + Fluke Multimeter

Type of Inspection (Check Only One):
{ } Daily { } Weekly { } Monthly
{ } Other Frequency: Bimonthly

Air Velocity

	EPM CFM
1. System Inlet (Required)	140
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B (Optional)	
4. Blower Outlet (Required)	130

Voltage

	Volts (V)
A. System "ON", Blower Motor "OFF"	
1. F1 Leg	122.9
2. F2 Leg	122.9
3. F3 Leg	210.0
B. System "ON", Blower Motor "ON"	
1. F1 Leg	122.0
2. F2 Leg	121.8
3. F3 Leg	208.5

Amperage

	Amps (A)
1. F1 Leg	7.1
2. F2 Leg	7.1
3. F3 Leg	6.48

Temperature

	Temp (F°)
1. System Inlet (Required)	68
2. Outlet Carbon Adsorber Vessel A (Optional)	
3. Outlet Carbon Adsorber Vessel B(Optional)	
4. Blower Outlet (Required)	128

APPENDIX C

ANNUAL CONFIRMATION LABORATORY RESULTS,
CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.

Calscience Environmental Laboratories, Inc.

June 22, 2005

Jack Keener
C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Subject: **Calscience Work Order No.: 05-06-0168**
Client Reference: 20245 S. Vermont, Torrance, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 6/2/2005 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Don Burley
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM	Date Received:	06/02/05
2382 S.E. Bristol Street, Suite B	Work Order No:	05-06-0168
Newport Beach, CA 92660-0756	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GCTS-PORT 1-INFLUENT (D218)	**05-06-0168-1**	**06/02/05**	**Air**	**N/A**	**06/19/05**	**050619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	8.8	1.6	1.55		t-1,3-Dichloropropene	ND	1.6	1.55	
Benzene	160	7	15.5		Ethyl-t-Butyl Ether (ETBE)	ND	3.1	1.55	
Benzyl Chloride	ND	1.6	1.55		Ethylbenzene	0.91	0.78	1.55	
Bromodichloromethane	ND	0.78	1.55		4-Ethyltoluene	ND	0.78	1.55	
Bromoform	ND	0.78	1.55		Hexachloro-1,3-Butadiene	ND	1.6	1.55	
Bromomethane	ND	0.78	1.55		2-Hexanone	ND	1.6	1.55	
2-Butanone	ND	1.6	1.55		Methyl-t-Butyl Ether (MTBE)	ND	3.1	1.55	
Carbon Disulfide	ND	0.78	1.55		Methylene Chloride	ND	3.1	1.55	
Carbon Tetrachloride	ND	0.78	1.55		4-Methyl-2-Pentanone	ND	1.6	1.55	
Chlorobenzene	ND	0.78	1.55		o-Xylene	ND	0.78	1.55	
Chloroethane	ND	0.78	1.55		p/m-Xylene	ND	1.6	1.55	
Chloroform	1.0	0.7	1.55		Styrene	ND	1.6	1.55	
Chloromethane	ND	0.78	1.55		Tert-Amyl-Methyl Ether (TAME)	ND	3.1	1.55	
Dibromochloromethane	ND	0.78	1.55		Tert-Butyl Alcohol (TBA)	ND	3.1	1.55	
Dichlorodifluoromethane	ND	0.78	1.55		Tetrachloroethene	ND	0.78	1.55	
Diisopropyl Ether (DIPE)	ND	3.1	1.55		Toluene	0.92	0.78	1.55	
1,1-Dichloroethane	ND	0.78	1.55		Trichloroethene	ND	0.78	1.55	
1,1-Dichloroethene	ND	0.78	1.55		Trichlorofluoromethane	ND	1.6	1.55	
1,2-Dibromoethane	ND	0.78	1.55		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.6	1.55	
Dichlorotetrafluoroethane	ND	3.1	1.55		1,1,1-Trichloroethane	ND	0.78	1.55	
1,2-Dichlorobenzene	ND	0.78	1.55		1,1,2-Trichloroethane	ND	0.78	1.55	
1,2-Dichloroethane	ND	0.78	1.55		1,1,1,2-Tetrachloroethane	ND	0.78	1.55	
1,2-Dichloropropane	ND	0.78	1.55		1,3,5-Trimethylbenzene	ND	0.78	1.55	
1,3-Dichlorobenzene	ND	0.78	1.55		1,1,2,2-Tetrachloroethane	ND	1.6	1.55	
1,4-Dichlorobenzene	ND	0.78	1.55		1,2,4-Trimethylbenzene	ND	1.6	1.55	
c-1,3-Dichloropropene	ND	0.78	1.55		1,2,4-Trichlorobenzene	ND	1.6	1.55	
c-1,2-Dichloroethene	ND	0.78	1.55		Vinyl Acetate	ND	1.6	1.55	
t-1,2-Dichloroethene	ND	0.78	1.55		Vinyl Chloride	ND	0.78	1.55	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received:	06/02/05
Work Order No:	05-06-0168
Preparation:	N/A
Method:	EPA TO-15
Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GCTS-PORT 2-CARBON 1 (D107)	**05-06-0168-2**	**06/02/05**	**Air**	**N/A**	**06/20/05**	**050620L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	5.0	1.5	1.54		t-1,3-Dichloropropene	ND	1.5	1.54	
Benzene	ND	0.77	1.54		Ethyl-t-Butyl Ether (ETBE)	ND	3.1	1.54	
Benzyl Chloride	ND	1.5	1.54		Ethylbenzene	ND	0.77	1.54	
Bromodichloromethane	ND	0.77	1.54		4-Ethyltoluene	ND	0.77	1.54	
Bromoform	ND	0.77	1.54		Hexachloro-1,3-Butadiene	ND	1.5	1.54	
Bromomethane	ND	0.77	1.54		2-Hexanone	ND	1.5	1.54	
2-Butanone	ND	1.5	1.54		Methyl-t-Butyl Ether (MTBE)	ND	3.1	1.54	
Carbon Disulfide	ND	0.77	1.54		Methylene Chloride	ND	3.1	1.54	
Carbon Tetrachloride	ND	0.77	1.54		4-Methyl-2-Pentanone	ND	1.5	1.54	
Chlorobenzene	ND	0.77	1.54		o-Xylene	ND	0.77	1.54	
Chloroethane	ND	0.77	1.54		p/m-Xylene	ND	1.5	1.54	
Chloroform	ND	0.77	1.54		Styrene	ND	1.5	1.54	
Chloromethane	ND	0.77	1.54		Tert-Amyl-Methyl Ether (TAME)	ND	3.1	1.54	
Dibromochloromethane	ND	0.77	1.54		Tert-Butyl Alcohol (TBA)	ND	3.1	1.54	
Dichlorodifluoromethane	ND	0.77	1.54		Tetrachloroethene	ND	0.77	1.54	
Diisopropyl Ether (DIPE)	ND	3.1	1.54		Toluene	ND	0.77	1.54	
1,1-Dichloroethane	ND	0.77	1.54		Trichloroethene	ND	0.77	1.54	
1,1-Dichloroethene	ND	0.77	1.54		Trichlorofluoromethane	1.8	1.5	1.54	
1,2-Dibromoethane	ND	0.77	1.54		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1.54	
Dichlorotetrafluoroethane	ND	3.1	1.54		1,1,1-Trichloroethane	ND	0.77	1.54	
1,2-Dichlorobenzene	ND	0.77	1.54		1,1,2-Trichloroethane	ND	0.77	1.54	
1,2-Dichloroethane	ND	0.77	1.54		1,1,1,2-Tetrachloroethane	ND	0.77	1.54	
1,2-Dichloropropane	ND	0.77	1.54		1,3,5-Trimethylbenzene	ND	0.77	1.54	
1,3-Dichlorobenzene	ND	0.77	1.54		1,1,2,2-Tetrachloroethane	ND	1.5	1.54	
1,4-Dichlorobenzene	ND	0.77	1.54		1,2,4-Trimethylbenzene	ND	1.5	1.54	
c-1,3-Dichloropropene	ND	0.77	1.54		1,2,4-Trichlorobenzene	ND	1.5	1.54	
c-1,2-Dichloroethene	ND	0.77	1.54		Vinyl Acetate	ND	1.5	1.54	
t-1,2-Dichloroethene	ND	0.77	1.54		Vinyl Chloride	ND	0.77	1.54	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM	Date Received:	06/02/05
2382 S.E. Bristol Street, Suite B	Work Order No:	05-06-0168
Newport Beach, CA 92660-0756	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GCTS-PORT 3-CARBON 2 (D223)	**05-06-0168-3**	**06/02/05**	**Air**	**N/A**	**06/20/05**	**050620L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	2.5	1.7	1.74		t-1,3-Dichloropropene	ND	1.7	1.74	
Benzene	ND	0.87	1.74		Ethyl-t-Butyl Ether (ETBE)	ND	3.5	1.74	
Benzyl Chloride	ND	1.7	1.74		Ethylbenzene	ND	0.87	1.74	
Bromodichloromethane	ND	0.87	1.74		4-Ethyltoluene	ND	0.87	1.74	
Bromoform	ND	0.87	1.74		Hexachloro-1,3-Butadiene	ND	1.7	1.74	
Bromomethane	ND	0.87	1.74		2-Hexanone	ND	1.7	1.74	
2-Butanone	ND	1.7	1.74		Methyl-t-Butyl Ether (MTBE)	ND	3.5	1.74	
Carbon Disulfide	ND	0.87	1.74		Methylene Chloride	ND	3.5	1.74	
Carbon Tetrachloride	ND	0.87	1.74		4-Methyl-2-Pentanone	ND	1.7	1.74	
Chlorobenzene	ND	0.87	1.74		o-Xylene	ND	0.87	1.74	
Chloroethane	ND	0.87	1.74		p/m-Xylene	ND	1.7	1.74	
Chloroform	ND	0.87	1.74		Styrene	ND	1.7	1.74	
Chloromethane	ND	0.87	1.74		Tert-Amyl-Methyl Ether (TAME)	ND	3.5	1.74	
Dibromochloromethane	ND	0.87	1.74		Tert-Butyl Alcohol (TBA)	ND	3.5	1.74	
Dichlorodifluoromethane	ND	0.87	1.74		Tetrachloroethene	ND	0.87	1.74	
Diisopropyl Ether (DIPE)	ND	3.5	1.74		Toluene	ND	0.87	1.74	
1,1-Dichloroethane	ND	0.87	1.74		Trichloroethene	ND	0.87	1.74	
1,1-Dichloroethene	ND	0.87	1.74		Trichlorofluoromethane	ND	1.7	1.74	
1,2-Dibromoethane	ND	0.87	1.74		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.7	1.74	
Dichlorotetrafluoroethane	ND	3.5	1.74		1,1,1-Trichloroethane	ND	0.87	1.74	
1,2-Dichlorobenzene	ND	0.87	1.74		1,1,2-Trichloroethane	ND	0.87	1.74	
1,2-Dichloroethane	ND	0.87	1.74		1,1,1,2-Tetrachloroethane	ND	0.87	1.74	
1,2-Dichloropropane	ND	0.87	1.74		1,3,5-Trimethylbenzene	ND	0.87	1.74	
1,3-Dichlorobenzene	ND	0.87	1.74		1,1,2,2-Tetrachloroethane	ND	1.7	1.74	
1,4-Dichlorobenzene	ND	0.87	1.74		1,2,4-Trimethylbenzene	ND	1.7	1.74	
c-1,3-Dichloropropene	ND	0.87	1.74		1,2,4-Trichlorobenzene	ND	1.7	1.74	
c-1,2-Dichloroethene	ND	0.87	1.74		Vinyl Acetate	ND	1.7	1.74	
t-1,2-Dichloroethene	ND	0.87	1.74		Vinyl Chloride	ND	0.87	1.74	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM	Date Received:	06/02/05
2382 S.E. Bristol Street, Suite B	Work Order No:	05-06-0168
Newport Beach, CA 92660-0756	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
GCTS-PORT 4-EFFLUENT (D070)	**05-06-0168-4**	**06/02/05**	**Air**	**N/A**	**06/18/05**	**050618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	9.3	1.8	1.76		t-1,3-Dichloropropene	ND	1.8	1.76	
Benzene	ND	0.88	1.76		Ethyl-t-Butyl Ether (ETBE)	ND	3.5	1.76	
Benzyl Chloride	ND	1.8	1.76		Ethylbenzene	ND	0.88	1.76	
Bromodichloromethane	ND	0.88	1.76		4-Ethyltoluene	ND	0.88	1.76	
Bromoform	ND	0.88	1.76		Hexachloro-1,3-Butadiene	ND	1.8	1.76	
Bromomethane	ND	0.88	1.76		2-Hexanone	ND	1.8	1.76	
2-Butanone	ND	1.8	1.76		Methyl-t-Butyl Ether (MTBE)	ND	3.5	1.76	
Carbon Disulfide	ND	0.88	1.76		Methylene Chloride	ND	3.5	1.76	
Carbon Tetrachloride	ND	0.88	1.76		4-Methyl-2-Pentanone	ND	1.8	1.76	
Chlorobenzene	ND	0.88	1.76		o-Xylene	ND	0.88	1.76	
Chloroethane	ND	0.88	1.76		p/m-Xylene	ND	1.8	1.76	
Chloroform	ND	0.88	1.76		Styrene	ND	1.8	1.76	
Chloromethane	ND	0.88	1.76		Tert-Amyl-Methyl Ether (TAME)	ND	3.5	1.76	
Dibromochloromethane	ND	0.88	1.76		Tert-Butyl Alcohol (TBA)	ND	3.5	1.76	
Dichlorodifluoromethane	ND	0.88	1.76		Tetrachloroethene	ND	0.88	1.76	
Diisopropyl Ether (DIPE)	ND	3.5	1.76		Toluene	ND	0.88	1.76	
1,1-Dichloroethane	ND	0.88	1.76		Trichloroethene	ND	0.88	1.76	
1,1-Dichloroethene	ND	0.88	1.76		Trichlorofluoromethane	ND	1.8	1.76	
1,2-Dibromoethane	ND	0.88	1.76		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.8	1.76	
Dichlorotetrafluoroethane	ND	3.5	1.76		1,1,1-Trichloroethane	ND	0.88	1.76	
1,2-Dichlorobenzene	ND	0.88	1.76		1,1,2-Trichloroethane	ND	0.88	1.76	
1,2-Dichloroethane	ND	0.88	1.76		1,1,1,2-Tetrachloroethane	ND	0.88	1.76	
1,2-Dichloropropane	ND	0.88	1.76		1,3,5-Trimethylbenzene	ND	0.88	1.76	
1,3-Dichlorobenzene	ND	0.88	1.76		1,1,2,2-Tetrachloroethane	ND	1.8	1.76	
1,4-Dichlorobenzene	ND	0.88	1.76		1,2,4-Trimethylbenzene	ND	1.8	1.76	
c-1,3-Dichloropropene	ND	0.88	1.76		1,2,4-Trichlorobenzene	ND	1.8	1.76	
c-1,2-Dichloroethene	ND	0.88	1.76		Vinyl Acetate	ND	1.8	1.76	
t-1,2-Dichloroethene	ND	0.88	1.76		Vinyl Chloride	ND	0.88	1.76	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM	Date Received:	06/02/05
2382 S.E. Bristol Street, Suite B	Work Order No:	05-06-0168
Newport Beach, CA 92660-0756	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-021-3,115**	**N/A**	**Air**	**N/A**	**06/18/05**	**050618L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1.0	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Benzyl Chloride	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.0	1	
Bromomethane	ND	0.50	1		2-Hexanone	ND	1.0	1	
2-Butanone	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Disulfide	ND	0.50	1		Methylene Chloride	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.0	1	
Chloromethane	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Dibromochloromethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	2.0	1	
Dichlorodifluoromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Diisopropyl Ether (DIPE)	ND	2.0	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	1.0	1	
c-1,2-Dichloroethene	ND	0.50	1		Vinyl Acetate	ND	1.0	1	
t-1,2-Dichloroethene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM	Date Received:	06/02/05
2382 S.E. Bristol Street, Suite B	Work Order No:	05-06-0168
Newport Beach, CA 92660-0756	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-021-3,119**	**N/A**	**Air**	**N/A**	**06/19/05**	**050619L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1.0	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Benzyl Chloride	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.0	1	
Bromomethane	ND	0.50	1		2-Hexanone	ND	1.0	1	
2-Butanone	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Disulfide	ND	0.50	1		Methylene Chloride	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.0	1	
Chloromethane	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Dibromochloromethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	2.0	1	
Dichlorodifluoromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Diisopropyl Ether (DIPE)	ND	2.0	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	1.0	1	
c-1,2-Dichloroethene	ND	0.50	1		Vinyl Acetate	ND	1.0	1	
t-1,2-Dichloroethene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

C2 REM	Date Received:	06/02/05
2382 S.E. Bristol Street, Suite B	Work Order No:	05-06-0168
Newport Beach, CA 92660-0756	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ppb (v/v)

Project: 20245 S. Vermont, Torrance, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**095-01-021-3,120**	**N/A**	**Air**	**N/A**	**06/20/05**	**050620L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1.0	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Benzyl Chloride	ND	1.0	1		Ethylbenzene	ND	0.50	1	
Bromodichloromethane	ND	0.50	1		4-Ethyltoluene	ND	0.50	1	
Bromoform	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.0	1	
Bromomethane	ND	0.50	1		2-Hexanone	ND	1.0	1	
2-Butanone	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	2.0	1	
Carbon Disulfide	ND	0.50	1		Methylene Chloride	ND	2.0	1	
Carbon Tetrachloride	ND	0.50	1		4-Methyl-2-Pentanone	ND	1.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	1.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.0	1	
Chloromethane	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Dibromochloromethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	2.0	1	
Dichlorodifluoromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Diisopropyl Ether (DIPE)	ND	2.0	1		Toluene	ND	0.50	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,1,1,2-Tetrachloroethane	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,3-Dichlorobenzene	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.0	1	
c-1,3-Dichloropropene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	1.0	1	
c-1,2-Dichloroethene	ND	0.50	1		Vinyl Acetate	ND	1.0	1	
t-1,2-Dichloroethene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 05-06-0168
Preparation: N/A
Method: EPA TO-15

Project: 20245 S. Vermont, Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-3,115	**Air**	**GC/MS AA**	**N/A**	**06/18/05**	**050618L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	105	61-121	0	0-37	
Bromoform	71	71	62-134	0	0-38	
Carbon Tetrachloride	81	82	56-128	1	0-42	
1,2-Dibromoethane	80	79	63-123	1	0-38	
1,2-Dichlorobenzene	77	77	41-149	1	0-62	
1,2-Dichloroethane	86	85	63-123	2	0-37	
1,2-Dichloropropane	109	110	61-121	1	0-37	
1,4-Dichlorobenzene	76	75	51-147	1	0-49	
c-1,3-Dichloropropene	103	104	62-128	1	0-37	
Ethylbenzene	77	77	61-127	0	0-38	
o-Xylene	74	74	58-130	0	0-38	
p/m-Xylene	74	74	57-129	0	0-39	
Tetrachloroethene	78	77	59-119	1	0-40	
Toluene	83	82	60-120	2	0-39	
Trichloroethene	95	96	65-119	1	0-38	
1,1,2-Trichloroethane	96	98	64-124	1	0-37	
Vinyl Chloride	83	84	58-124	1	0-37	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 05-06-0168
Preparation: N/A
Method: EPA TO-15

Project: 20245 S. Vermont, Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-3,119	**Air**	**GC/MS AA**	**N/A**	**06/19/05**	**050619L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	104	61-121	1	0-37	
Bromoform	90	91	62-134	1	0-38	
Carbon Tetrachloride	90	89	56-128	1	0-42	
1,2-Dibromoethane	96	98	63-123	2	0-38	
1,2-Dichlorobenzene	98	97	41-149	1	0-62	
1,2-Dichloroethane	89	89	63-123	0	0-37	
1,2-Dichloropropane	112	111	61-121	1	0-37	
1,4-Dichlorobenzene	95	96	51-147	0	0-49	
c-1,3-Dichloropropene	106	106	62-128	1	0-37	
Ethylbenzene	94	96	61-127	1	0-38	
o-Xylene	94	94	58-130	0	0-38	
p/m-Xylene	94	95	57-129	1	0-39	
Tetrachloroethene	90	92	59-119	2	0-40	
Toluene	98	99	60-120	2	0-39	
Trichloroethene	96	95	65-119	1	0-38	
1,1,2-Trichloroethane	101	100	64-124	2	0-37	
Vinyl Chloride	85	86	58-124	1	0-37	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

C2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92660-0756

Date Received: N/A
Work Order No: 05-06-0168
Preparation: N/A
Method: EPA TO-15

Project: 20245 S. Vermont, Torrance, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-3,120	**Air**	**GC/MS AA**	**N/A**	**06/20/05**	**050620L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	102	61-121	4	0-37	
Bromoform	83	88	62-134	6	0-38	
Carbon Tetrachloride	86	88	56-128	3	0-42	
1,2-Dibromoethane	90	96	63-123	7	0-38	
1,2-Dichlorobenzene	91	96	41-149	5	0-62	
1,2-Dichloroethane	93	90	63-123	4	0-37	
1,2-Dichloropropane	114	112	61-121	2	0-37	
1,4-Dichlorobenzene	89	94	51-147	6	0-49	
c-1,3-Dichloropropene	107	106	62-128	2	0-37	
Ethylbenzene	87	93	61-127	6	0-38	
o-Xylene	87	92	58-130	5	0-38	
p/m-Xylene	86	92	57-129	6	0-39	
Tetrachloroethene	85	90	59-119	6	0-40	
Toluene	91	98	60-120	7	0-39	
Trichloroethene	97	95	65-119	2	0-38	
1,1,2-Trichloroethane	98	97	64-124	1	0-37	
Vinyl Chloride	89	86	58-124	3	0-37	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 05-06-0168

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Agreement #: EESA-9078-WZM

SHELL Chain Of Custody Record

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 Lincoln way
Garden Grove, CA 92841-1432
714/895-5494 Fax 714-894-7501

Shell Project Manager to be invoiced: George Landreth (713)241-5403
Shell Chemical LP
OSP 1770B
910 Louisiana st.
Houston, TX 77002

☐ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY):

SAP or CRMT NUMBER (TS/CRMT):

DATE: 6/2/05

PAGE: 1 of 1

SAMPLING COMPANY: CZRem

LOG CODE:

SITE ADDRESS (Street and City): 20245 S. Vermont Torrance, CA 90502

GLOBAL ID NO.:

ADDRESS: 2392 SE Bristol St. Suite B Newport Beach, CA 92660

EDF DELIVERABLE TO (Responsible Party or Designee):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Jack Keener

TELEPHONE: 949-261-8048 FAX: 949-261-8049 E-MAIL: JKeener@CZrem.com

SAMPLER NAME(S) (Print): ~~AE~~ CN

LAB USE ONLY: 05-06-0168

TURNAROUND TIME (BUSINESS DAYS): ☑ 10 DAYS ☐ 5 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED ☐

EDD & PDF Report

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX (8021 or 8260) Circle	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol (EPA 8015M)	EDB & 1,2-DCA (8260B)	EPA 5035 Extraction for Volatiles	VOCs Halogenated/Aromatic (8021B)	TRPH (418.1)	Vapor VOCs BTEX / MTBE (TO-15)	Vapor VOCs Full List (TO-15) 4 days Rachel	Vapor TPH (TO-3)	Vapor Fixed Gases (ASTM D1946)	Test for Disposal (4B--)		TPH - Diesel, Extractable (8015m)		MTBE (8260B) Confirmation, See Note
1	GCTS - Port 1 - Influent	6/2/05		Vapor	1													X							
2	GCTS - Port 2 - Carbon 1	6/2/05		↓	1													X							
3	GCTS - Port 3 - Carbon 2	6/2/05		↓	1													X							
4	GCTS - Port 4 - Effluent	6/2/05		↓	1													X							

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 6/2/05	Time: 1600
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

08/06/02 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 05 - 06 - 0168

Cooler 0 of 0

SAMPLE RECEIPT FORM

CLIENT: C2REM **DATE:** 6/02/05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
✓ Ambient temperature.

Initial: NL

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓

Initial: NL

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: NL

COMMENTS:

APPENDIX D

MARCH 27, 2003 USEPA CORRESPONDENCE LETTER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

March 27, 2003

Mr. Edmond F. Bourke, C2 REM
Respondents Coordinator
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92606

Re: Soil Vapor Monitoring at Waste Pits Operable Unit
Unilateral Administrative Order (UAO) for Remedial Action, Docket No. 99-08
Del Amo Superfund Site

Dear Ed:

U.S. EPA and California DTSC have recently conducted a review of operation, maintenance and monitoring activities at the Del Amo Waste Pits Area. In our review, we noticed that the Operation, Maintenance and Monitoring Manual (OM&M Manual) specified that the perimeter vapor probe monitoring would not start until after initiation of the SVE system. At the time we approved the OM&M Manual, we anticipated the SVE system would be installed shortly. As you are aware, there has been a delay in starting the SVE system, and you are currently in the process of preparing for the SVE pilot project. As a result, the perimeter monitoring has not yet been started. We are concerned about this situation because we are not able to monitor whether any contaminated vapors are migrating out from beneath the cap. Such was the original reason for including perimeter monitoring in the 1997 Record of Decision (ROD). In light of this situation, we request that the Respondents initiate quarterly soil vapor monitoring of the perimeter soil vapor probes within the next four months.

Please let me know, as soon as you can, if you would be willing to do this. Thank you.

Sincerely,

Dante Rodriguez

Dante A. Rodriguez, P.E.
Del Amo Project Manager
U.S. EPA Region 9

cc: Gloria Conti, DTSC
Chuck Paine, Shell Oil Company
Niki Pasvantis, Shell Oil Company

APPENDIX E

JULY 21, 2004 USEPA CORRESPONDENCE LETTER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

July 21, 2004

Mr. Edmond F. Bourke
C_2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92606

Re: Del Amo Superfund Site, Unilateral Administrative Order, Docket No. 99-08
SVE Pilot Test

Dear Ed:

EPA has completed its review of the document entitled *"Field Pilot Test Program, Report of Findings, Del Amo Site,"* originally dated October 2003, with revisions dated March 2004 and June 2004. In summary, the report is now approved in its entirety.

Thank you very much for your work on this report. I look forward to working with you and your team in the next phases of this project. If you have any questions, you may contact me at (415) 972-3166 or via email at rodriguez.dante@epa.gov.

Sincerely,

Dante Rodriguez

Dante Rodriguez, P.E.
Del Amo Project Manager
U.S. EPA Region 9

cc: Safouh Sayed, DTSC
Niki Pasvantis, Shell

APPENDIX F

DECEMBER 10, 2004 USEPA CORRESPONDENCE LETTER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

December 10, 2004

Mr. Edmond F. Bourke
C_2 REM
2382 S.E. Bristol Street, Suite B
Newport Beach, CA 92606

Re: Del Amo Superfund Site, Unilateral Administrative Order, Docket No. 98-06
Remedial Design of SVE System

Dear Ed:

On May 3, 1999, EPA issued a letter to you approving the Remedial Design (RD) for the Del Amo Waste Pits Soil Vapor Extraction (SVE) system, except for the vapor treatment component. To address concerns of some community members, EPA decided at the time to further examine vapor treatment options. In consultation with the community, EPA decided that the Respondents would pursue using an adsorption technology to treat extracted vapors. This decision was supported by an August 2002 Explanation of Significant Differences (ESD) to the 1997 Record of Decision (ROD). Following the ESD, you performed a pilot test of resin adsorption with on-site regeneration. After completing the pilot test, you proposed incorporating bioventing as part of the SVE system and using carbon adsorption instead of resin for the vapor treatment. EPA has concluded that either form of adsorption, resin or carbon, are acceptable technologies for the vapor treatment aspect of the Waste Pits SVE system.

Regarding your proposal to incorporate bioventing into the SVE design, the 1997 ROD said that the SVE remediation was expected to take approximately 5 years. The final SVE system, therefore, must not result in a significant change to this time-frame. EPA's remediation priority is to aggressively remove the contaminants from the source zone. However, EPA recognizes that the bioventing aspect may have the potential to become an important mechanism for mass reduction in the source zone. The extent to which bioventing contributes to timely source zone reduction can only be determined by monitoring during field implementation. Therefore, the RD documents must establish the technical support for the potential efficacy of bioventing at the site, as well as the necessary performance standards, operating parameters, monitoring frequency, evaluation frequency, and failure criteria for the bioventing component.

Within 30 days of receipt of this letter, the Respondents must submit to EPA and DTSC, a Remedial Design work plan addendum. The RD work plan addendum must describe how the remaining design activities will be completed, addressing the issues described in this letter, and provide a schedule for their completion. If you have any questions, please contact me at (415) 972-3166, or via email at rodriguez.dante@epa.gov. I look forward to receiving your RD work plan addendum and working with you to complete the Remedial Design and Remedial Action at

the Del Amo Waste Pits Operable Unit. Thank you.

Sincerely,

Dante Rodriguez

Dante A. Rodriguez, P.E.
Del Amo Project Manager
U.S. EPA Region 9

cc: George Landreth, Shell Oil
Safouh Sayed, DTSC

APPENDIX G

COMPLETED MAINTENANCE/FIELD DAILY REPORTS

C2 REM

FIELD DAILY REPORT

OJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97.101 DATE: 1/5/05

WEATHER: Temperature 70 Winds: Ø Precipitation: Ø

DESCRIPTION OF THE WORK: SITE MAINT.

12 ARRIVE @ SITE
- USE RUSTOLEUM METALLIC BLACK FINISH TO COAT BOLTS IN GCTS SYSTEM TO PREVENT FURTHER RUST BUILDUP
1 APPLY SECOND COAT OF RUSTOLEUM. TO AFFECTED AREAS

SITE WALK
2 LEAVE SITE

pared by: RYAN CARROLL Signed:

C2 REM

FIELD DAILY REPORT

PROJECT NAME: VAPOR TREATMENT PAGE 1 OF 1

PROJECT NUMBER: 99-106 DATE: 11/18/2005

WEATHER: Temperature 85°F Winds: — Precipitation: —

DESCRIPTION OF THE WORK: CONTAINER "C-TRAIN" PLACEMENT

9:00 ONSITE W/ JEREMY TOUCHY

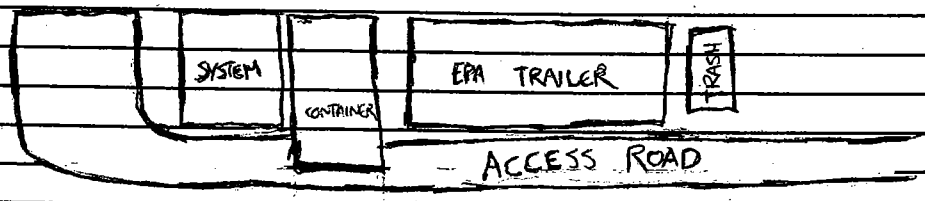
- PURGED TEDLAR BAGS (15) AND DISPOSED OF TEDLAR BAGS THAT WERE USED MORE THAN 4 TIMES (8 BAGS)

- LADWP CAME ONTO PROPERTY TO RECONFIGURE POWER (DOES NOT AFFECT OR APPLY TO SITE)

10:00 JEREMY TOUCHY LEAVES FOR CARSON AIR HARBOR; I REMAIN ONSITE

10:00 - AP STORAGE TRUCK COMES WITH "C-TRAIN" (REPRESENTATIVES NAME: TONY)
- I DIRECT TONY TO PLACEMENT OF CONTAINER
- CONTAINER IS PLACED BETWEEN TRAILER & SYSTEM

TOP VIEW:



11:00 OFFSITE

Prepared by: RYAN TEOXON
JEREMY TOUCHY

Signed: RT

C2 REM
FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE _____ OF _____

OJECT NUMBER: 97-101 DATE: 1-7-05

WEATHER: Temperature 60 Winds: Ø Precipitation: Ø-1 IN RAIN

DESCRIPTION OF THE WORK: PITS TRAILER CLEANUP

935 LEAVE C2REM

1020 ARRIVE @ DEL AMO PITS SITE

- SYSTEM RUNNING AND IN GOOD VISUAL CONDITION.

- BEGIN CLEANING OUT TRASH AND DEBRIS FROM ALL ROOMS OF THE TRAILOR
- ORGANIZE STORAGE SHELVES

- TAKE RESIN ADSORPTION TOWER AND REMAINING HOSES TO C2REM STORAGE. ASSESS NEEDS FOR ADJUSTMENTS TO DOORS.

110 LEAVE SITE

Prepared by: R CARRAL Signed: [signature]

FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE 1 OF _____

PROJECT NUMBER: 97-101 DATE: 10/11/2005

WEATHER: Temperature ~ 85°F Winds: — Precipitation: —

DESCRIPTION OF THE WORK: _____

10:00 ARRIVE ON SITE AT PITS W/ JEREMY

- MET WITH TERMINIX REPRESENTATIVES (PETE AND STEVE)
- DETERMINED THAT SOURCE OF ANIMAL PROBLEM WAS GOPHERS

NOTE: STEVE DID NOT ARRIVE UNTIL 10:15 A.M.
PETE DID NOT ARRIVE UNTIL 10:30 A.M.

- DETERMINED THAT COURSE OF ACTION WAS TO USE BAIT PELLETS AFTER WALKING THE SITE WITH STEVE AND PETE
- TERMINIX INDICATED THAT THEY WERE TO SEND A PROPOSAL OF ACTION THIS WEEK

[redacted]

11:30 OFFSITE

Prepared by: RYAN TEOYON
JEREMY TOUCHY

Signed: RT

C2 REM

FIELD DAILY REPORT

PROJECT NAME: DelAmo Pits PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 1.11.05

WEATHER: Temperature 60 Winds: 10 MPH Precipitation: Ø

DESCRIPTION OF THE WORK: MOVE DESKS

820 LEAVE C2REM

915 ARRIVE @ DELAMO PITS

- LOAD 2 DESKS INTO TRUCKS AND MOVE TO ACOE OFFICES FOR STORAGE IN EL MONTE.
- RETURN TO PITS TRAILER
  - TRASH HAS BEEN PICKED UP.

12-1 LUNCH

1 RETURN TO TRAILER

- SWEEP OUT TRAILER AND MOVE DESKS OUT of C2REM ROOM TO REORGANIZE MAIN WORK AREA

- REPAIR FENCES TO PITS

- CHECK GCTS SYSTEM

335 LEAVE SITE

Prepared by: R CARRON Signed: R J Carron

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE ____ OF ____

PROJECT NUMBER: 97-101 DATE: 10/10/05

WEATHER: Temperature 85 Winds: — Precipitation: —

DESCRIPTION OF THE WORK: Site visit

1130 Arrive onsite with Ryan Teoxon

- We remove pallet from truck and place it in dumpster

- We purge all of the dirty teller bags inside site trailer

1200 Offsite

Prepared by: Jeremy Touchy
RYAN TEOXON

Signed:

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 1/11/05

WEATHER: Temperature 60° Winds: 10-15 mph NW Precipitation: a little drizzle

DESCRIPTION OF THE WORK: Site Maintenance

1015 -Arrive onsite - meet Ryan Carroll
- Place 2 desks in trucks for transport to ACOE storage facility in El Monte
- Meet Rich Lane, USACOE, at El Monte site & place desks in storage

200 -Return to Site - meet Ryan Carroll
- Move desks in trailer & sweep up trailer
- Clean out garbage
- Throw out old, beaten table
- Check GCTS Enclosure
- Fix hole in fence between Pits & Park

345 -Leave Site

Prepared by: Christine Nedel Signed: Christine Nedel

C2 REM

FIELD DAILY REPORT

PROJECT NAME: ~~97-1~~ Del Amo Fits

PAGE 1 OF 1

PROJECT NUMBER: 97-101

DATE: ~~10/3/05~~ ~~10/4/05~~ 10/7/05

WEATHER: Temperature 90 Winds: —

Precipitation: —

DESCRIPTION OF THE WORK: Dumping Trash

1230 Arrive onsite with Ryan Teoxon
- We take cardboard and misc. site trash from AC parcel (Perry St.) and place it into dumpster

1 offsite after viewing a kid on a dirt bike riding around the park several times

Prepared by: Jeremy Touchy
RYAN TEOXON

Signed:

C2 REM

FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 1.12.05

WEATHER: Temperature 65 Winds: Ø Precipitation: Ø

DESCRIPTION OF THE WORK: PREP FOR MEETING

8 15 LEAVE CREEK
- GRAINGER IN ANAHEIM FOR 4 PAIRS of BOOTS FOR SITE WALK TODAY.

9 35 - ARRIVE @ DEL AMO PITS TO OPEN ALL GATES AND TRAILER
- SETUP PHONE SYSTEM FOR MEETING
- CHECK GATE SYSTEM

10 45 CLOSE DEL AMO PITS TRAILERS AND BEGIN FENCE REPAIR

12 30 LEAVE SITE

Prepared by: E CARROLL Signed: E J Carroll

C2 REM

FIELD DAILY REPORT

PROJECT NAME: 97-101 Del Amo Pits PAGE ____ OF ____

PROJECT NUMBER: 97-101 DATE: 9/21/05

WEATHER: Temperature 70 Winds: - Precipitation: -

DESCRIPTION OF THE WORK: cleaning Tedlar bags

900 Onsite with Audrey Cetois
we notice the gate is open in front of the EPA trailers and the lock is missing
we enter trailer and clean all of the tedlar bags and place some in truck for weeks work at all sites

920 offsite to go to home depot to buy locks

940 onsite to replace lock on site gate separating pits and the park
we take a driving tour around park to notice locks missing on gates and notice the ~~city of~~ county of los angeles has come to pick up large debris outside park gate at Serendo avenue

950 offsite

Prepared by: Jeremy Tarchy
Audrey Cetois

Signed:

C2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Pits

OJECT NUMBER: 97101

PAGE 1 OF 1

DATE: 1.18.05

WEATHER: Temperature 75 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: MEET W/ ACOE

12[50] MEET WITH FLO of ACOE TO REVIEW REQUEST
& HAVING TRAILER DOORS REINSTALLED TO
PREVENT FIRE HAZARD

PLAN IS TO STRIP ALL PANELING ON DOOR MOUNTS
AND ROTATE MAIN DOOR TO OPEN INWARD
SECURITY DOOR WILL STAY IN PLACE.

PLAN TO BEGIN DOOR WORK ON MONDAY

1[15] LEAVE SITE

ared by: R CARROLL

Signed:

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE ____ OF ____

PROJECT NUMBER: 97-101 DATE: 9/13/05

WEATHER: Temperature 75 Winds: — Precipitation: —

DESCRIPTION OF THE WORK: Utility Marking

930 Onsite near vermont entrance to site
Audrey Cetois & Jeremy Touchy begin marking areas for the utilities companies to come and mark their lines

a representative from Chevron appears onsite and asks if we know anything about a fence replacement, we identify ourselves and he then goes to mark his lines

Audrey & I mark along vermont fenseline inside & out then head north and mark fenceline along del amo alley inside & out

1030 all gates are locked up and we leave the site

Prepared by: Audrey Cetois
Jeremy Touchy

Signed:

C2 REM
FIELD DAILY REPORT

OJECT NAME: DEL AMO PITS

PROJECT NUMBER: 97.101

PAGE 1 OF 1

WEATHER: Temperature 75 Winds: Ø

DATE: 1.21.05

Precipitation: Ø

DESCRIPTION OF THE WORK: PURGE BAGS

11 ARRIVE @ SITE

- SYSTEM ON AND IN GOOD VISUAL CONDITION
- AVE 2 LANDSCAPING CUT REMAINING WEED PATCHES ON 1.20 AND SITE IS IN GREAT CONDITION
- PURGE TEDLAR BAGS W/ NITROGEN

12 LEAVE SITE

Prepared by: R CARROLL

Signed:

C2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Pits PAGE 1 OF 1

OJECT NUMBER: 97-101 DATE: 9/7/05

WEATHER: Temperature 75 Winds: Precipitation:

DESCRIPTION OF THE WORK: Drop off 55 gal drum

1500 Onsite w/ Christie Neidel and Jeremy Tauchy
emptied contents of 55-gal drum from McColl site into trash dumpster
consisted of tubing and plastic sheeting and other PPE

grabbed clean Tedlar Bags from inside trailer

1530 offsite

pared by: Jeremy Tauchy Signed:
Christie Neidel

C2 REM
FIELD DAILY REPORT

PROJECT NAME: DeLAmo PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 1-28-05

WEATHER: Temperature 65 Winds: 0 Precipitation: RAIN

DESCRIPTION OF THE WORK: PURGE BAGS / SITE VISIT / REPAIR FENCES

11 ARRIVE @ DELAMO PITS
- SYSTEM IS ON AND IN GOOD VISUAL CONDITION
- GRASS HAS BEEN CUT AND VEG DITCHES ARE CLEAR

- PURGE TEDLAR MONITORING BAGS W/ NITROGEN AND PLACE CLEAN LABELS ON THEM.

- REPAIR FENCE @ CATALINA ST

1230 LEAVE SITE

Prepared by: R CARROLL Signed: [signature]

C2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 8/26/05

WEATHER: Temperature 80 Winds: _____ Precipitation: —

DESCRIPTION OF THE WORK: Site Maintenance

1430 Onsite w/ Christine Neidel & Audrey Cefois

Place fire extinguisher cover on extinguisher at GCTS.

Purge tedlar bags inside site trailer

Leave site

Prepared by: Jeremy Tarchy
Audrey Cefois

Signed: _____

C2 REM

FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 2.4.05

WEATHER: Temperature 70 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK:

10 ARRIVE @ DEL AMO PITS
- SYSTEM RUNNING / IN GOOD PHYSICAL CONDITION
- REPAIR FENCES @ CATALINA ST, NEW HAMPSHIRE, DEL AMO BLVD
- AND PURGE TEDLAR MONITORING BAGS W/ NITROGEN. 3X PURGE EACH BAG TO PREP FOR REUSE.

12 LEAVE SITE

Prepared by: R CARROLL Signed:

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

OJECT NUMBER: 97-101 DATE: 8/05/2005

WEATHER: Temperature ___ Winds: ___ Precipitation: ___

DESCRIPTION OF THE WORK: Site Maintenance

13:00 Arrive onsite with Christine Nordel

Repaired fences

Spread gopher poison

Put back temperature gauge on top of CT

15:30 Leave Site

Prepared by: Audrey Chavis
Christine Nordel

Signed: [signature]
Electronic

C2 REM
FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 2-7-05

WEATHER: Temperature 65 Winds: Ø Precipitation: Ø

DESCRIPTION OF THE WORK: CLEAN IRRIGATION REPAIR FENCE

10 LEAVE C2REM

11 ARRIVE @ DEL AMO PITS

- REPAIR FENCE NEAR DELAMO BETWEEN PADS 1 PITS.
- CLEAR DRAINAGE CHANNELS OF DEBRIS ON SOUTH SIDE OF PITS PROPERTY

1145 LEAVE SITE

Prepared by: R CARROLL Signed: R Carroll

C2 REM
FIELD DAILY REPORT

JECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 4/26/05

WEATHER: Temperature 72 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: PAINT WELLHEADS

9 LEAVE C2REM
- STORAGE TO PICKUP TRAILER
- DRIVE TRAILER TO CAMERON ENVIRONMENTAL IN TORRANCE FOR MOUNTING OF 2X BLOWER UNITS

11 ARRIVE @ DEL AMO PITS
- GETS ON AND IN GOOD VISUAL CONDITION.
- USING INDUSTRIAL GRADE YELLOW PAINT AND STENCILS, LABEL ALL PERIMETER, CLUSTER, PRIME WELLHEADS
- CRACK WELLS TO ENSURE ACCURATE LABELING

2 FINISH, CLEANUP AND LEAVE SITE

pared by: R. PARROW Signed: [signature]

C2 REM
FIELD DAILY REPORT

OJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 2.10.05

WEATHER: Temperature 70 Winds: Ø Precipitation: Ø

DESCRIPTION OF THE WORK: PICKUP MATERIALS FOR COUNTERTOPS

1 ARRIVE @ DEL AMO PITS
- ACOE REPLACING SECOND TRAILER DOOR TO OPEN INWARDS FOR FIRE SAFETY

2 TRAVEL TO HOME DEPOT FOR COUNTER TOP SUPPLIES
- HARDWARE
- COUNTERTOPS
- LUMBER

DROP OFF @ SITE AND STORE IN TRAILER
BEGIN MOVING CONTENTS of C2REM ROOM INTO MAIN AREA TO PREP FOR INSTALLATION.

3:30 LEAVE SITE
4:30 ARRIVE @ C2REM

pared by: R CARROLL Signed:

C2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 4/15/05

WEATHER: Temperature 70° Winds: - Precipitation: -

DESCRIPTION OF THE WORK: 5-Year Site Inspection / Site Walk

10:00 am: Arrive at site w/ Jack Keener to conduct site walk with Alexa Staments, CH2MHill, as part of 5-year review process. Also in attendance is Randy Kellerman, CH2MHill, and Rich Lane, USACOE.

- Provide Ms Staments with background, current status, and upcoming activities at the site. Mostly concerned with OM+M activities. Point out and explain components of OM+M (GCTS, monitoring wells, maintenance, containment system)
- Observations:
  - : Evidence of burrowing animals along Southern V-ditch
  - : Sections of southern fence where bark were may need to be replaced

12:00 Leave Site

Prepared by: Steph Ke Signed: 4/15/05

C2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 2-14-05

WEATHER: Temperature 70 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: Install Countertop

9 LEAVE CHEM

10 HOME DEPOT FOR HARDWARE

10:30 ARRIVE @ DEL AMO PITS

→ INSTALL 8 FT COUNTERTOP @ 48" HEIGHT TO PREP FOL VAPOR TREATMENT.

→ RE: INSTALL CORK BOARD ABOVE STAND UP COUNTER TOP.

→ REINFORCE COUNTERTOP INSTALLED FRI 2/10

3:30 LEAVE SITE

pared by: R CARROLL Signed: R Carroll

C2 REM
FIELD DAILY REPORT

PROJECT NAME: DEL AMO PITS PAGE 1 OF 1

JECT NUMBER: 97101 DATE: 4.14.05

WEATHER: Temperature 75 Winds: Ø Precipitation: Ø

DESCRIPTION OF THE WORK: PITS PREPARE FOR 5 YR REVIEW

930 LEAVE C2REM
- HOME DEPOT FOR MONITORING TUBING
- DROP off AUDREY @ CAH FOR SYSTEM & AQMD MONITORING

ARRIVE @ DEL AMO PITS SITE
- SYSTEM IS ON & IN GOOD VISUAL CONDITION
- SWEEP BOTS ENCLOSURE
- AVG 2 LANDSCAPE IS ONSITE AND CUTTING GRASS.

- RICH LANE (EPA / USACE) ARRIVES AND CONDUCT SITE WALK

- REMOVE WINDSCREEN AND TAKE TO TRANSFER STATION

- CONDUCT BI-MONTHLY MONITORING W/ AUDREY, CNGIDEL SEE RESULTS PAGE.

- REPAIR 60 FT SECTION OF FENCE ON NEW HAMPSHIRE REATTACH TO POLES.

330 LEAVE SITE

Prepared by: Z CARROLL Signed: [signature]

C2 REM

FIELD DAILY REPORT

OJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 9710 DATE: 2-16-05

WEATHER: Temperature 70 Winds: Ø Precipitation: Ø

DESCRIPTION OF THE WORK:

1130 ARRIVE @ DEL AMO PITS SITE
→ GCTS SYSTEM ON & IN GOOD CONDITION
→ SWEEP OUT GCTS TRAILER AND
RELOCATE ARTICALS PREVIOUSLY MOVED OUT TO
ACCOMODATE COUNTERTOP DESIGN & CONSTRUCTION
BACK INTO C2REM ROOM
1230 LEAVE SITE

pared by: RYAN CARROLL Signed:

C2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

OJECT NUMBER: 97101 DATE: 4-13-05

WEATHER: Temperature 75 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: CUT UP IRON

12 ARRIVE @ DEL AMO PITS

- USING AXE, DEMOLISH AND THROW AWAY 2 RECLINER CHAIRS TO PREPARE FOR 5 YR REVIEW.

PORTOSAN TO PICKUP FENCING MATERIALS THURSDAY MORN @ 7-730.

USING TRUCK, DRAG IRON TRUCK RACK TO LOCATION NEAR TRAILER.
USING POWER JIG SAW BREAK DOWN RACK TO SMALL COMPONENTS AND THROW INTO DUMPSTER.

4 LEAVE SITE

Prepared by: Z CARROLL Signed: [signature]

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Def Hmo Pits PAGE 1 OF 1

OJECT NUMBER: 97 - 101 DATE: 03/01/2005

WEATHER: Temperature 70° Winds: — Precipitation: —

DESCRIPTION OF THE WORK: Site Visit

11:00 - Arrive on site with Christine Nordo
- Christine shows me how to purge Tedlar Bags
- Pits cap cut but not completely to regulation
- Talk to Avenue 2 contractor to ensure Pits are completely cut before Pack out

11:15 Leave Site

Prepared by: Audrey Echols Signed: [signature]

C2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 4.12.05

WEATHER: Temperature 75 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: Prep for 5 yr Review

1030 Leave C2Rem
- Arrive @ Site w/ Audrey & CNeidel

- Audrey & CNeidel Remove Debris from Park and Haul to Transfer Station

- I Dig out Dirt Neg Ditch under Access Road

1215 - Leave Site

Prepared by: E Carroll Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

OJECT NUMBER: 97-101 DATE: 3/1/05

WEATHER: Temperature 60° Winds: — Precipitation: —

DESCRIPTION OF THE WORK: Silt Unit

1100 - Arrive onsite with Audrey Cetois
- Introduce Audrey to Tedlar Bag purging system
- Pits cap cut, but not completely to regulations
- Audrey talks to Avenue Z contractor to ensure Pits are completely cut before Park is cut

1115 - Leave Site

Prepared by: Christina Nuidel Signed: C Christina Nuidel

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits / Del Amo Park PAGE 1 OF 1

PROJECT NUMBER: 97-101/99-110 DATE: 4/12/05

WEATHER: Temperature 72 °F Winds: / Precipitation: /

DESCRIPTION OF THE WORK: Site Maintenance

11:00 - Arrive onsite with Christine Nordal and Ryan Caroll

- Ryan begins cleaning out dirt and gravel from 6 foot drainage overpass on S. side of Pits

- Christine and I load an abandonned couch in the Park and take it to the transfer station for disposal

- Christine and I load 2 seats in the Park for disposal in the trash bin

- reconfigure sand bags while Ryan and Christine complete clearing drainage path

- All 3 of us pick up remaining trash on Park side

Prepared by: Audrey Cebrian Signed:

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 3/2/05

WEATHER: Temperature 68° Winds: — Precipitation: — overcast, light drizzle

DESCRIPTION OF THE WORK: Site Visit

245 - Arrive on site with Audrey Cetoli
- Park open (Avenue 2 landscaping company)
- Pits cap mowed to comply with regulations

250 ~~300~~ - Leave Site

Prepared by: Christine Neidl Signed: Christine Neidl

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits/Del Amo Park

PAGE 1 OF 1

PROJECT NUMBER: 97-101/99-110

DATE: 4/12/05

WEATHER: Temperature 72° Winds: —

Precipitation: —

DESCRIPTION OF THE WORK: Site Maintenance

11:00 - Arrive onsite with Audrey Cetors & Ryan Carroll
- Ryan begins cleaning out dirt & gravel from 5-foot drainage overpass on south side of Pits
- Audrey & I load an abandoned couch in the Park & take it to the transfer station for disposal
- Audrey & I load a recliner & seat in the Park for disposal in the trash bin
- Audrey reconfigures sand bags while Ryan & I complete cleaning drainage path
- All 3 of us pick up remaining trash on Park Site

Prepared by: Christine Nuckols

Signed: Christine Nuckols

C2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97-101 DATE: 03/02/2005

WEATHER: Temperature 68° Winds: — Precipitation: Overcast, light drizzle

DESCRIPTION OF THE WORK: Site Visit

14h45 - Arrive onsite with Christine Neidel
- Park open (Avenue & landscaping company)
- Pits cap mowed to comply with regulations

14h50 Leave site

Prepared by: Audrey Chois Signed: [signature]

C2 REM
FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits | PAGE 1 OF 1

PROJECT NUMBER: 99-106 | DATE: 4/8/05

WEATHER: Temperature 70° Winds: 25 mph | Precipitation: /

DESCRIPTION OF THE WORK: Test Equipment (TVA) for RV

15:00 - Arrive onsite with Jack Keener and Christine Weidlof
- Identify and open wells L" and D'

D" is not on the right place in the plan
L" need to be dugged

- Test TVA FID/PID with and without diluter

Port
L"1 - w/o diluter → flame out
- diluter → varying results
won't steady out and never reach the expected value

L"2 → "
L'3 → "
C" → "

TVA will not settle on a reading continuously fluctuates
Dilution value Ref. for preventing FID from flame out
Never get a satisfying value

- lock up wells
- leave site
- Return TVA to Ashtead

Prepared by: Audrey Cebrois Signed:

C2 REM
FIELD DAILY REPORT

OJECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 3-5-05

WEATHER: Temperature 70 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: REMONITOR

930 LEAVE C2REM

1015 ARRIVE @ PITS SITE

- SYSTEM ON / IN GOOD VISUAL CONDITION
- USE PUMP/LUNG SYSTEM TO PULL SAMPLES INTO 1L TEDLAR BAGS
- MONITOR W/ MINIRAE CALIBRATED TO BENZENE

LOC	VOC'S
4	0.2
3	0.9
2	0.7
1	0.9

- LEAVE SITE

epared by: R CARROLL Signed: R. Carroll

C_2 REM

FIELD DAILY REPORT

PROJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 99-106 DATE: 4/8/05

WEATHER: Temperature 70° Winds: 15-15 mph W Precipitation: —

DESCRIPTION OF THE WORK: Test Equipment for BV

1330 Arrive onsite with Audrey Cetola and Jack Keene
- Identify and open wells L"1, L"2, L"3, C"1, C"2, C"3
- Test TVA PID/FID with & without dilute

Port

L"1 - w/o dilute → flameout, must reset
- w/10:1 dilution → varying results
192 → 65 → 120
- won't steady out

L"2 - w/10:1 dilution 3.9 → 8.4

L"3 - low alarm
380 → 42 → 165 → 124 (0 dilution) → 250

BKg - 0.05 → 1.29

C"1 - w/dilution
360 → 198

BKg - 7.75

- TVA will not settle on a reading, continually fluctuates

- Lock up wells
- Leave site
- Return TVA to Ashtead

Prepared by: Christine Nedel Signed: Chris Nedel

C2 REM

FIELD DAILY REPORT

JECT NAME: DEL AMO PITS PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 3.24.05

WEATHER: Temperature 65 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: CARBON CHANGEOUT

9 LEAVE CREM

10 ARRIVE @ DEL AMO PITS

- REPS of CAMERON ENVIRONMENTAL ARRIVE AND REPLACE 2X 55 GALLON DRUMS of SPENT CARBON W/ NEW CARBON.

- REATTACH ALL HOSES AND CONNECTIONS

- START SYSTEM AND RESET TIMER TO ENSURE THAT TIME AND PROGRAMMING ARE ACCURATE.

- CAMERON TAKES WITH THEM 2 X 55 GALLONS SPENT CARBON.

11 LEAVE SITE

pared by: Z CARROLL Signed:

C2 REM
FIELD DAILY REPORT

OJECT NAME: Del Amo Pits PAGE 1 OF 1

PROJECT NUMBER: 97101 DATE: 3.31.05

WEATHER: Temperature 75 Winds: 0 Precipitation: 0

DESCRIPTION OF THE WORK: Bi Monthly Monitoring

930 LEAVE C2REM
- HOME DEPOT IN CARSON DOES NOT HAVE TYGON TUBING
- PICKUP TUBING @ HOME DEPOT IN LOMITA

1015 ARRIVE @ DEL AMO PITS SITE
- SYSTEM ON AND RUNNING AND IN GOOD PHYSICAL CONDITION

CONDUCT BI MONTHLY MONITORING W/ CNGIDEL AND AUDREY

ADJ 2 @ SITE - LANDSCAPING PITS PROPERTY

12 LEAVE SITE

Prepared by: B. CARROLL Signed: